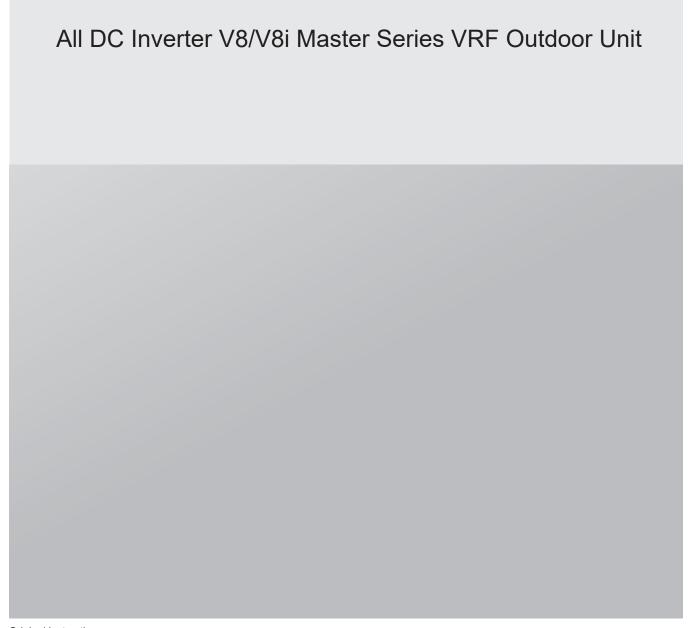
INFORMATION REQUIREMENTS FOR HEAT PUMPS



 $Original\ instructions.$

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1 FOR V8 MASTER COMBINABLE SERIES

8HP

Cooling mode:

Info	ormatic	n requ	irement	S	for air-to-air cond	itione	rs		
Model(s): MV8-252WV2 Test matching indoor u			IH45Q4N18(0	Q)+	3×MIH71Q4N18(Q)				
Outdoor side heat exch	anger of air	conditioner	air						
Indoor side heat excha	nger of air c	onditioner: a	nir						
Type: compressor drive	en								
Driver of compressor: e	electric moto	or							
Item	Symbol	Value	Unit		Item	Symbol	Value	Unit	
Rated cooling capacity	Prated,c	25.20	kW		Seasonal space cooling energy efficiency	ηs,c	299.0	%	
Declared cooling cap temperatures T _j an					Declared energy efficiency ratio or gas utilisation efficiency /auxiliary energy factor for part load at given outdoor temperatures Tj				
Tj=+35°C	Pdc	25.20	kW		Tj=+35°C	EERd	3.25		
Tj=+30°C	Pdc	18.57	kW		Tj=+30°C	EERd	4.90		
Tj=+25°C	Pdc	11.94	kW		Tj=+25°C	EERd	8.75		
Tj=+20°C	Pdc	7.56	kW		Tj=+20°C	EERd	18.00		
Degradation co-efficient for air conditioners(*)	Cdc	0.25							
		Power consu	umption in mo	de	s other than "active mode"				
Off mode	Poff	0.005	kW		Crankcase heater mode	Рск	0.005	kW	
Thermosat-off mode	Рто	0.005	kW		Standby mode	PsB	0.005	kW	
			Othe	er it	tems				
Capacity control		variable			For air-to-air air conditioner: air flow rate, outdoor measured		12600	m³/h	
Sound power level, outdoor	Lwa	83	dB						
GWP of the refrigerant		2088	kg CO _{2 eq} (100years)						
Contact details									

Contact details

(*)If Cdc is not determined by measurement, then the default degradation coefficient of heat pumps shall be 0.25.

Heating mode:

Information requirements for heat pumps

Model(s): MV8-252WV2RN1E(MA)

Test matching indoor units form, cassette: 1×MIH45Q4N18(Q)+3×MIH71Q4N18(Q)

Outdoor side heat exchanger of air conditioner: air

Indoor side heat exchanger of air conditioner: air

If the heater is equipped with a supplementary heater: no

Driver of compressor: electric motor

Parameters shall be declared for the average heating season, parameters for the warmer and colder heating seasons are

- p o									
Item	Symbol	Value	Unit	Item	Symbol	Value	Unit		
Rated heating capacity	Prated,h	25.20	kW	Seasonal space heating energy efficiency	ηs,h	175.4	%		
Declared heating teperature 20°C				efficiency/auxiliary energy	Declared coefficient of performance or gas utilisati efficiency/auxiliary energy factor for part load at giv outdoor temperatures Tj				
Tj=-7°C	Pdh	12.12	kW	Tj=-7°C	COPd	2.60			
Tj=+2°C	Pdh	7.38	kW	Tj=+2°C	COPd	4.29			
Tj=+7°C	Pdh	5.08	kW	Tj=+7°C	COPd	6.38			
Tj=+12°C	Pdh	6.15	kW	Tj=+12°C	COPd	8.18			
T _{biv} =bivalent temperature	Pdh	13.70	kW	T _{biv} =bivalent temperature	COPd	2.20			
ToL=operation temperature	Pdh	13.70	kW	ToL =operation temperature	COPd	2.20			
Bivalent temperature	Tbiv	-10	°C						
Degradation co-efficient for heat pumps(**)	Cdh	0.25							
Power consumption in	modes othe	r than "activ	e mode"	Suppleme	ntary heate	er			
Off mode	Poff	0.005	kW	Back-up heating capacity(*)	elbu	0	kW		
Thermosat-off mode	Рто	0.005	kW	Type of energy input			•		
Crankcase heater mode	Рск	0.005	kW	Standby mode	PsB	0.005	kW		
		•	Othe	r items	•				
Capacity control		variable		For air-to-air heat pump: air flow rate, outdoor measured		12600	m³/h		
Sound power level,outdoor	Lwa	83	dB						
GWP of the refrigerant		2088	kg CO _{2 eq} (100years)						
Contact details									

^(**)If Cdh is not determined by measurement, then the default degradation coefficient of heat pumps shall be 0.25.

Cooling mode:

Info	ormatic	n requ	irements	for air-to-air con	ditione	rs		
Model(s): MV8-280WV: Test matching indoor u			IH71Q4N18(Q)+1×MIH80Q4N18(Q)				
Outdoor side heat exch	anger of air	conditioner	air					
Indoor side heat excha	nger of air c	onditioner: a	air					
Type: compressor drive	en							
Driver of compressor: e	electric moto	r						
Item	Symbol	Value	Unit	Item	Symbol	Value	Unit	
Rated cooling capacity	Prated,c	28.00	kW	Seasonal space cooling energy efficiency	ηs,c	295.0	%	
Declared cooling ca temperatures T _j an				Declared energy efficiency ratio or gas utilisation efficien- /auxiliary energy factor for part load at given outdoor temperatures T _j				
Tj=+35°C	Pdc	28.00	kW	Tj=+35°C	EERd	3.23		
Tj=+30°C	Pdc	20.63	kW	Tj=+30°C	EERd	4.73		
Tj=+25°C	Pdc	13.26	kW	Tj=+25°C	EERd	8.59		
Tj=+20°C	Pdc	7.39	kW	Tj=+20°C	EERd	18.00		
Degradation co-efficient for air conditioners(*)	Cdc	0.25						
	ı	Power consu	umption in mod	des other than "active mode"				
Off mode	Poff	0.005	kW	Crankcase heater mode	Рск	0.005	kW	
Thermosat-off mode	Рто	0.005	kW	Standby mode	PsB	0.005	kW	
			Othe	r items				
Capacity control		variable		For air-to-air air conditioner air flow rate, outdoor measured		12600	m³/h	
Sound power level, outdoor	Lwa	84	dB		•			
GWP of the refrigerant		2088	kg CO _{2 eq} (100years)					

Contact details

(*)If Cdc is not determined by measurement, then the default degradation coefficient of heat pumps shall be 0.25.

Heating mode:

Information requirements for heat pumps

Model(s): MV8-280WV2RN1E(MA)

Test matching indoor units form, cassette: 3×MIH71Q4N18(Q)+1×MIH80Q4N18(Q)

Outdoor side heat exchanger of air conditioner: air

Indoor side heat exchanger of air conditioner: air

If the heater is equipped with a supplementary heater: no

Driver of compressor: electric motor

Parameters shall be declared for the average heating season, parameters for the warmer and colder heating seasons are optional.

optional.									
Item	Symbol	Value	Unit	Item	Symbol	Value	Unit		
Rated heating capacity	Prated,h	28.00	kW	Seasonal space heating energy efficiency	η s,h	176.2	%		
Declared heating teperature 20°C				efficiency/auxiliary energy	Declared coefficient of performance or gas utilisation efficiency/auxiliary energy factor for part load at give outdoor temperatures Tj				
Tj=-7°C	Pdh	14.15	kW	Tj=-7°C	COPd	2.52			
Tj=+2°C	Pdh	8.62	kW	Tj=+2°C	COPd	4.27			
Tj=+7°C	Pdh	5.54	kW	Tj=+7°C	COPd	6.66			
Tj=+12°C	Pdh	6.18	kW	Tj=+12°C	COPd	8.54			
T _{biv} =bivalent temperature	Pdh	16.00	kW	T _{biv} =bivalent temperature	COPd	2.13			
ToL=operation temperature	Pdh	16.00	kW	ToL =operation temperature	COPd	2.13			
Bivalent temperature	Tbiv	-10	°C						
Degradation co-efficient for heat pumps(**)	Cdh	0.25							
Power consumption in	modes othe	r than "activ	e mode"	Supplementary heater					
Off mode	Poff	0.005	kW	Back-up heating capacity(*)	elbu	0	kW		
Thermosat-off mode	Рто	0.005	kW	Type of energy input		•			
Crankcase heater mode	Рск	0.005	kW	Standby mode	PsB	0.005	kW		
			Othe	er items					
Capacity control		variable		For air-to-air heat pump: air flow rate, outdoor measured		12600	m³/h		
Sound power level,outdoor	Lwa	84	dB						
GWP of the refrigerant		2088	kg CO _{2 eq} (100years)						
Contact details									

Contact details

(*)

^(**)If Cdh is not determined by measurement, then the default degradation coefficient of heat pumps shall be 0.25.

Cooling mode:

Info	ormatic	n requ	irements	for air-to-air cond	litione	rs	
Model(s): MV8-335WV: Test matching indoor u	2RN1E(MA) nits form, ca) issette: 3×M	IH45Q4N18(Q)+3×MIH71Q4N18(Q)			
Outdoor side heat exch	anger of air	conditioner	: air				
Indoor side heat excha	nger of air c	onditioner: a	air				
Type: compressor drive	en						
Driver of compressor: e	electric moto	or					
Item	Symbol	Value	Unit	Item	Symbol	Value	Unit
Rated cooling capacity	Prated,c	33.50	kW	Seasonal space cooling energy efficiency	ηs,c	289.4	%
Declared cooling ca temperatures T _j an				Declared energy efficiency ra /auxiliary energy factor fo temper			
Tj=+35°C	Pdc	33.50	kW	Tj=+35°C	EERd	2.92	
Tj=+30°C	Pdc	24.68	kW	Tj=+30°C	EERd	4.72	
Tj=+25°C	Pdc	15.87	kW	Tj=+25°C	EERd	8.40	
Tj=+20°C	Pdc	7.96	kW	Tj=+20°C	EERd	18.00	
Degradation co-efficient for air conditioners(*)	Cdc	0.25					
		Power consu	umption in mod	des other than "active mode"			
Off mode	Poff	0.005	kW	Crankcase heater mode	Рск	0.005	kW
Thermosat-off mode	Рто	0.005	kW	Standby mode	PsB	0.005	kW
			Othe	r items			
Capacity control		variable		For air-to-air air conditioner: air flow rate, outdoor measured		13500	m³/h
Sound power level, outdoor	Lwa	85	dB				
GWP of the refrigerant		2088	kg CO _{2 eq} (100years)				
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Contact details

(*)If Cdc is not determined by measurement, then the default degradation coefficient of heat pumps shall be 0.25.

Heating mode:

Information requirements for heat pumps

Model(s): MV8-335WV2RN1E(MA)

Test matching indoor units form, cassette: 3×MIH45Q4N18(Q)+3×MIH71Q4N18(Q)

Outdoor side heat exchanger of air conditioner: air

Indoor side heat exchanger of air conditioner: air

If the heater is equipped with a supplementary heater: no

Driver of compressor: electric motor

Parameters shall be declared for the average heating season, parameters for the warmer and colder heating seasons are

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Item	Symbol	Value	Unit		Item	Symbol	Value	Unit	
Rated heating capacity	Prated,h	33.50	kW		Seasonal space heating energy efficiency	ηs,h	173.8	%	
Declared heating teperature 20°C					Declared coefficient of performance or gas utilisat efficiency/auxiliary energy factor for part load at gi outdoor temperatures T _j				
Tj=-7°C	Pdh	16.28	kW		Tj=-7°C	COPd	2.41		
Tj=+2°C	Pdh	9.91	kW		Tj=+2°C	COPd	4.19		
Tj=+7°C	Pdh	6.37	kW		Tj=+7°C	COPd	6.77		
Tj=+12°C	Pdh	6.16	kW		Tj=+12°C	COPd	8.70		
T _{biv} =bivalent temperature	Pdh	18.40	kW		T _{biv} =bivalent temperature	COPd	2.04		
ToL=operation temperature	Pdh	18.40	kW		ToL =operation temperature	COPd	2.04		
Bivalent temperature	Tbiv	-10	°C						
Degradation co-efficient for heat pumps(**)	Cdh	0.25							
Power consumption in	modes othe	r than "active	e mode"		Supplementary heater				
Off mode	Poff	0.005	kW		Back-up heating capacity(*)	elbu	0	kW	
Thermosat-off mode	Рто	0.005	kW		Type of energy input				
Crankcase heater mode	Рск	0.005	kW		Standby mode	PsB	0.005	kW	
			Othe	er it	ems				
Capacity control		variable			For air-to-air heat pump: air flow rate, outdoor measured		13500	m³/h	
Sound power level,outdoor	Lwa	85	dB						
GWP of the refrigerant		2088	kg CO _{2 eq} (100years)						
Contact details			<u> </u>						

^(**)If Cdh is not determined by measurement, then the default degradation coefficient of heat pumps shall be 0.25.

Cooling mode:

Info	ormatic	n requ	irements	for air-to-air cond	ditione	rs	
Model(s): MV8-400WV	2RN1E(MA))), 4 MILIONO (NI 40/0)			
Test matching indoor ur)+4×MIH80Q4N18(Q)			
Outdoor side heat exch	anger of air	conditioner	air				
Indoor side heat exchai	nger of air c	onditioner: a	nir				
Type: compressor drive	n						
Driver of compressor: e	lectric moto	or					
Item	Symbol	Value	Unit	Item	Symbol	Value	Unit
Rated cooling capacity	Prated,c	40.00	kW	Seasonal space cooling energy efficiency	ηs,c	291.0	%
Declared cooling cap temperatures T _j an				Declared energy efficiency /auxiliary energy factor for temper			
Tj=+35°C	Pdc	40.00	kW	Tj=+35°C	EERd	2.90	
Tj=+30°C	Pdc	29.47	kW	Tj=+30°C	EERd	4.87	
Tj=+25°C	Pdc	18.95	kW	Tj=+25°C	EERd	8.50	
T _j =+20°C	Pdc	11.20	kW	Tj=+20°C	EERd	17.64	
Degradation co-efficient for air conditioners(*)	Cdc	0.25					
		Power consu	umption in mod	les other than "active mode"			
Off mode	Poff	0.005	kW	Crankcase heater mode	Рск	0.005	kW
Thermosat-off mode	Рто	0.005	kW	Standby mode	PsB	0.005	kW
			Othe	r items			
Capacity control		variable		For air-to-air air conditioner: air flow rate, outdoor measured	-	15600	m³/h
Sound power level, outdoor	Lwa	86	dB				
GWP of the refrigerant		2088	kg CO _{2 eq} (100years)				

Contact details

(*)If Cdc is not determined by measurement, then the default degradation coefficient of heat pumps shall be 0.25.

Heating mode:

Information requirements for heat pumps

Model(s): MV8-400WV2RN1E(MA)

Test matching indoor units form, cassette: 2×MIH45Q4N18(Q)+4×MIH80Q4N18(Q)

Outdoor side heat exchanger of air conditioner: air

Indoor side heat exchanger of air conditioner: air

If the heater is equipped with a supplementary heater: no

Driver of compressor: electric motor

Parameters shall be declared for the average heating season, parameters for the warmer and colder heating seasons are

'									
Item	Symbol	Value	Unit		Item	Symbol	Value	Unit	
Rated heating capacity	Prated,h	40.00	kW		Seasonal space heating energy efficiency	ηs,h	172.6	%	
Declared heating teperature 20°0					Declared coefficient of performance or gas utilisati efficiency/auxiliary energy factor for part load at giv outdoor temperatures Tj				
Tj=-7°C	Pdh	19.46	kW		Tj=-7°C	COPd	2.52		
Tj=+2°C	Pdh	11.85	kW		Tj=+2°C	COPd	4.34		
Tj=+7°C	Pdh	7.62	kW		Tj=+7°C	COPd	5.85		
Tj=+12°C	Pdh	9.42	kW		Tj=+12°C	COPd	8.59		
T _{biv} =bivalent temperature	Pdh	22.00	kW		T _{biv} =bivalent temperature	COPd	2.16		
ToL=operation temperature	Pdh	22.00	kW		ToL =operation temperature	COPd	2.16		
Bivalent temperature	Tbiv	-10	°C						
Degradation co-efficient for heat pumps(**)	Cdh	0.25							
Power consumption in	modes othe	r than "activ	e mode"		Supplementary heater				
Off mode	Poff	0.005	kW		Back-up heating capacity(*)	elbu	0	kW	
Thermosat-off mode	Рто	0.005	kW		Type of energy input				
Crankcase heater mode	Рск	0.005	kW		Standby mode	PsB	0.005	kW	
			Othe	er it	ems				
Capacity control		variable			For air-to-air heat pump: air flow rate, outdoor measured		15600	m³/h	
Sound power level,outdoor	Lwa	86	dB						
GWP of the refrigerant		2088	kg CO _{2 eq} (100years)						
Contact details									

^(**)If Cdn is not determined by measurement, then the default degradation coefficient of heat pumps shall be 0.25.

Cooling mode:

Info	ormatic	n requ	irements	s for air-to-air con	ditione	rs	
Model(s): MV8-450WV	` '	,	U 1740 4N40/0) . F. MILIOO ANIAO (O)			
Test matching indoor ur			<u> </u>	1)+5×MIH80Q4N18(Q)			
Outdoor side heat exch	anger of air	conditioner	air				
Indoor side heat exchai	nger of air o	onditioner: a	nir				
Type: compressor drive	n						
Driver of compressor: e	lectric moto	or					
Item	Symbol	Value	Unit	Item	Symbol	Value	Unit
Rated cooling capacity	Prated,c	45.00	kW	Seasonal space cooling energy efficiency	ηs,c	277.0	%
Declared cooling cap temperatures T _j an				Declared energy efficiency /auxiliary energy factor temper			
Tj=+35°C	Pdc	45.00	kW	Tj=+35°C	EERd	2.52	
Tj=+30°C	Pdc	33.16	kW	Tj=+30°C	EERd	4.67	
Tj=+25°C	Pdc	21.32	kW	Tj=+25°C	EERd	7.98	
Tj=+20°C	Pdc	10.87	kW	Tj=+20°C	EERd	18.00	
Degradation co-efficient for air conditioners(*)	Cdc	0.25					
		Power consu	umption in mod	des other than "active mode"			
Off mode	Poff	0.005	kW	Crankcase heater mode	Рск	0.005	kW
Thermosat-off mode	Рто	0.005	kW	Standby mode	PsB	0.005	kW
		•	Othe	r items			
Capacity control		variable		For air-to-air air conditioner air flow rate, outdoor measured		15600	m³/h
Sound power level, outdoor	Lwa	86	dB			•	•
GWP of the refrigerant		2088	kg CO _{2 eq} (100years)				

Contact details

 $({}^\star) \text{If Cdc} \text{ is not determined by measurement, then the default degradation coefficient of heat pumps shall be 0.25}.$

Heating mode:

Information requirements for heat pumps

Model(s): MV8-450WV2RN1E(MA)

Test matching indoor units form, cassette: 1×MIH71Q4N18(Q)+5×MIH80Q4N18(Q)

Outdoor side heat exchanger of air conditioner: air

Indoor side heat exchanger of air conditioner: air

If the heater is equipped with a supplementary heater: no

Driver of compressor: electric motor

Parameters shall be declared for the average heating season, parameters for the warmer and colder heating seasons are optional.

'									
Item	Symbol	Value	Unit	Item	Symbol	Value	Unit		
Rated heating capacity	Prated,h	45.00	kW	Seasonal space heating energy efficiency	ηs,h	173.0	%		
Declared heating teperature 20°C				efficiency/auxiliary energy	Declared coefficient of performance or gas utilisation efficiency/auxiliary energy factor for part load at give outdoor temperatures T _j				
Tj=-7°C	Pdh	21.89	kW	Tj=-7°C	COPd	2.47			
Tj=+2°C	Pdh	13.33	kW	Tj=+2°C	COPd	4.24			
Tj=+7°C	Pdh	8.57	kW	Tj=+7°C	COPd	6.31			
Tj=+12°C	Pdh	9.26	kW	Tj=+12°C	COPd	8.69			
T _{biv} =bivalent temperature	Pdh	24.75	kW	T _{biv} =bivalent temperature	COPd	2.07			
ToL=operation temperature	Pdh	24.75	kW	ToL =operation temperature	COPd	2.07			
Bivalent temperature	Tbiv	-10	°C						
Degradation co-efficient for heat pumps(**)	Cdh	0.25							
Power consumption in	modes othe	r than "active	e mode"	Supplementary heater					
Off mode	Poff	0.005	kW	Back-up heating capacity(*)	elbu	0	kW		
Thermosat-off mode	Рто	0.005	kW	Type of energy input		•			
Crankcase heater mode	Рск	0.005	kW	Standby mode	PsB	0.005	kW		
			Othe	er items	•				
Capacity control		variable		For air-to-air heat pump: air flow rate, outdoor measured		15600	m³/h		
Sound power level,outdoor	Lwa	86	dB						
GWP of the refrigerant		2088	kg CO _{2 eq} (100years)						
Contact details									
				<u> </u>					

(*)

^(**)If Cdh is not determined by measurement, then the default degradation coefficient of heat pumps shall be 0.25.

Cooling mode:

Info	ormatic	n requ	irement	S	for air-to-air cond	litione	rs	
Model(s): MV8-500WV2			U 1450 4N40/	<u> </u>	O. MILIZAO ANAO(O)			
Test matching indoor ur				ر)+	6×MIH/1Q4N18(Q)			
Outdoor side heat exch	anger of air	conditioner	: air					
Indoor side heat exchai	nger of air c	onditioner: a	air					
Type: compressor drive	en							
Driver of compressor: e	electric moto	or						
Item	Symbol	Value	Unit		Item	Symbol	Value	Unit
Rated cooling capacity	Prated,c	50.00	kW		Seasonal space cooling energy efficiency	ηs,c	281.0	%
Declared cooling cap temperatures T _j an					Declared energy efficiency ra /auxiliary energy factor fo temper			
Tj=+35°C	Pdc	50.00	kW		Tj=+35°C	EERd	2.80	
Tj=+30°C	Pdc	36.84	kW		Tj=+30°C	EERd	4.53	
Tj=+25°C	Pdc	23.68	kW		Tj=+25°C	EERd	8.22	
T _j =+20°C	Pdc	13.27	kW		Tj=+20°C	EERd	18.00	
Degradation co-efficient for air conditioners(*)	Cdc	0.25						
		Power consu	umption in mo	des	s other than "active mode"			
Off mode	Poff	0.005	kW		Crankcase heater mode	Рск	0.005	kW
Thermosat-off mode	Рто	0.005	kW		Standby mode	PsB	0.005	kW
			Oth	er it	tems			
Capacity control		variable			For air-to-air air conditioner: air flow rate, outdoor measured		22000	m³/h
Sound power level, outdoor	Lwa	88	dB					
GWP of the refrigerant		2088	kg CO _{2 eq} (100years)					

Contact details

(*)If Cdc is not determined by measurement, then the default degradation coefficient of heat pumps shall be 0.25.

Heating mode:

Information requirements for heat pumps Model(s): MV8-500WV2RN1E(MA) Test matching indoor units form, cassette: 2×MIH45Q4N18(Q)+6×MIH71Q4N18(Q)

Outdoor side heat exchanger of air conditioner: air

Indoor side heat exchanger of air conditioner: air

If the heater is equipped with a supplementary heater: no

Driver of compressor: electric motor

Parameters shall be declared for the average heating season, parameters for the warmer and colder heating seasons are

•								
Item	Symbol	Value	Unit		Item	Symbol	Value	Unit
Rated heating capacity	Prated,h	50.00	kW		Seasonal space heating energy efficiency	ηs,h	175.0	%
Declared heating teperature 20°C					Declared coefficient of pe efficiency/auxiliary energy outdoor ten	factor for	part load a	
Tj=-7°C	Pdh	24.33	kW		Tj=-7°C	COPd	2.68	
Tj=+2°C	Pdh	14.81	kW		Tj=+2°C	COPd	4.22	
Tj=+7°C	Pdh	9.52	kW		Tj=+7°C	COPd	6.30	
Tj=+12°C	Pdh	9.36	kW		Tj=+12°C	COPd	8.25	
T _{biv} =bivalent temperature	Pdh	27.50	kW		T _{biv} =bivalent temperature	COPd	2.21	
ToL=operation temperature	Pdh	27.50	kW		ToL =operation temperature	COPd	2.21	
Bivalent temperature	Tbiv	-10	°C					
Degradation co-efficient for heat pumps(**)	Cdh	0.25						
Power consumption in	modes othe	r than "activ	e mode"		Suppleme	ntary heate	ər	
Off mode	Poff	0.005	kW		Back-up heating capacity(*)	elbu	0	kW
Thermosat-off mode	Рто	0.005	kW		Type of energy input			
Crankcase heater mode	Рск	0.005	kW		Standby mode	PsB	0.005	kW
			Othe	er ite	ems			
Capacity control		variable			For air-to-air heat pump: air flow rate, outdoor measured		22000	m³/h
Sound power level,outdoor	Lwa	88	dB					
GWP of the refrigerant		2088	kg CO _{2 eq} (100years)					
Contact details		· · · · · · · · · · · · · · · · · · ·						

Contact details

^(**)If Cdh is not determined by measurement, then the default degradation coefficient of heat pumps shall be 0.25.

Cooling mode:

Info	ormatic	n requ	irement	S	for air-to-air cond	itione	rs	
Model(s): MV8-560WV: Test matching indoor u			IH71Q4N18(0	Q)				
Outdoor side heat exch	anger of air	conditioner	air					
Indoor side heat excha	nger of air c	onditioner: a	nir					
Type: compressor drive	en							
Driver of compressor: e	electric moto	or						
Item	Symbol	Value	Unit		Item	Symbol	Value	Unit
Rated cooling capacity	Prated,c	56.00	kW		Seasonal space cooling energy efficiency	ηs,c	269.0	%
Declared cooling cap temperatures T _j an	, , ,	0			Declared energy efficiency ra /auxiliary energy factor fo temper	atio or gas r part load atures Tj	utilisation at given o	efficiency utdoor
Tj=+35°C	Pdc	56.00	kW		Tj=+35°C	EERd	2.59	
Tj=+30°C	Pdc	41.26	kW		Tj=+30°C	EERd	4.31	
Tj=+25°C	Pdc	26.53	kW		Tj=+25°C	EERd	7.81	
Tj=+20°C	Pdc	13.55	kW		T _j =+20°C	EERd	18.00	
Degradation co-efficient for air conditioners(*)	Cdc	0.25						
		Power consu	umption in mo	des	s other than "active mode"			
Off mode	Poff	0.005	kW		Crankcase heater mode	Рск	0.005	kW
Thermosat-off mode	Рто	0.005	kW		Standby mode	PsB	0.005	kW
			Othe	er it	ems			
Capacity control		variable			For air-to-air air conditioner: air flow rate, outdoor measured		22000	m³/h
Sound power level, outdoor	Lwa	89	dB					
GWP of the refrigerant		2088	kg CO _{2 eq} (100years)					
Contact details								

Contact details

(*)If C_{dc} is not determined by measurement, then the default degradation coefficient of heat pumps shall be 0.25.

Heating mode:

Information requirements for heat pumps

Model(s): MV8-560WV2RN1E(MA)

Test matching indoor units form, cassette: 8×MIH71Q4N18(Q)

Outdoor side heat exchanger of air conditioner: air

Indoor side heat exchanger of air conditioner: air

If the heater is equipped with a supplementary heater: no

Driver of compressor: electric motor

Parameters shall be declared for the average heating season, parameters for the warmer and colder heating seasons are

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Item	Symbol	Value	Unit	Item	Symbol	Value	Unit
Rated heating capacity	Prated,h	56.00	kW	Seasonal space heating energy efficiency	Ŋs,h	169.0	%
Declared heating teperature 20°C				Declared coefficient of pe efficiency/auxiliary energy outdoor ter	/ factor for	part load a	
Tj=-7°C	Pdh	27.42	kW	Tj=-7°C	COPd	2.48	
Tj=+2°C	Pdh	16.69	kW	Tj=+2°C	COPd	4.00	
Tj=+7°C	Pdh	10.73	kW	Tj=+7°C	COPd	6.47	
Tj=+12°C	Pdh	10.11	kW	Tj=+12°C	COPd	8.58	
T _{biv} =bivalent temperature	Pdh	31.00	kW	T _{biv} =bivalent temperature	COPd	2.08	
ToL=operation temperature	Pdh	31.00	kW	ToL =operation temperature	COPd	2.08	
Bivalent temperature	Tbiv	-10	°C				
Degradation co-efficient for heat pumps(**)	Cdh	0.25					
Power consumption in	modes othe	r than "activ	e mode"	Suppleme	entary heate	er	
Off mode	Poff	0.005	kW	Back-up heating capacity(*)	elbu	0	kW
Thermosat-off mode	Рто	0.005	kW	Type of energy input		•	
Crankcase heater mode	Рск	0.005	kW	Standby mode	PsB	0.005	kW
			Othe	r items		•	•
Capacity control		variable		For air-to-air heat pump: air flow rate, outdoor measured		22000	m³/h
Sound power level,outdoor	Lwa	89	dB				
GWP of the refrigerant		2088	kg CO _{2 eq} (100years)				
Contact details		•					

^(**)If Cdh is not determined by measurement, then the default degradation coefficient of heat pumps shall be 0.25.

Cooling mode:

Info	ormatic	on requ	irements	s for air-to-air cond	ditione	rs	
Model(s): MV8-615WV2 Test matching indoor u			IH80Q4N18(Q	2)			
Outdoor side heat exch	anger of air	conditioner	air				
Indoor side heat excha	nger of air c	onditioner: a	air				
Type: compressor drive	en						
Driver of compressor: e	electric moto	or					
Item	Symbol	Value	Unit	Item	Symbol	Value	Unit
Rated cooling capacity	Prated,c	61.50	kW	Seasonal space cooling energy efficiency	ηs,c	265.0	%
Declared cooling cap temperatures T _j an				Declared energy efficiency /auxiliary energy factor f tempe			
Tj=+35°C	Pdc	61.50	kW	Tj=+35°C	EERd	2.43	
Tj=+30°C	Pdc	45.32	kW	Tj=+30°C	EERd	4.35	
Tj=+25°C	Pdc	29.13	kW	Tj=+25°C	EERd	7.68	
T _j =+20°C	Pdc	14.14	kW	Tj=+20°C	EERd	17.22	
Degradation co-efficient for air conditioners(*)	Cdc	0.25					
		Power consu	umption in mod	des other than "active mode"			
Off mode	Poff	0.005	kW	Crankcase heater mode	Рск	0.005	kW
Thermosat-off mode	Рто	0.005	kW	Standby mode	PsB	0.005	kW
			Othe	r items			•
Capacity control		variable		For air-to-air air conditioner: air flow rate, outdoor measured	-	21500	m³/h
Sound power level, outdoor	Lwa	89	dB		•		
GWP of the refrigerant		2088	kg CO _{2 eq} (100years)				·
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Contact details

(*)If Cdc is not determined by measurement, then the default degradation coefficient of heat pumps shall be 0.25.

Heating mode:

Information requirements for heat pumps Model(s): MV8-615WV2RN1E(MA) Test matching indoor units form, cassette: 8×MIH80Q4N18(Q) Outdoor side heat exchanger of air conditioner: air Indoor side heat exchanger of air conditioner: air If the heater is equipped with a supplementary heater: no Driver of compressor: electric motor Parameters shall be declared for the average heating season, parameters for the warmer and colder heating seasons are optional. Symbol Value Unit Item Symbol Value Unit Seasonal space heating 175.0 Rated heating capacity Prated,h 61.50 kW % ηs,h energy efficiency Declared coefficient of performance or gas utilisation Declared heating capacity for part load at indoor efficiency/auxiliary energy factor for part load at given teperature 20°C and outdoor temperatures Tj outdoor temperatures Ti 2.32 Tj=-7°C Pdh 29.90 kW Tj=-7°C COPd 4.27 Pdh --Tj=+2°C 18.20 kW Tj=+2°C COPd 6.89 T_i=+7°C Pdh 11.70 kW T_i=+7°C COPd --8.83 Tj=+12°C Tj=+12°C P_{dh} 11.49 kW COPd Tbiv=bivalent Pdh 33.80 kW Tbiv =bivalent temperature COPd 1.89 temperature To_L=operation Pdh 33.80 kW Tol =operation temperature COPd 1.89 temperature Bivalent temperature °C Tbiv -10 Degradation co-efficient for Cdh 0.25 heat pumps(**) Power consumption in modes other than "active mode" Supplementary heater Back-up heating capacity(*) 0 kW Off mode 0.005 elbu Poff Thermosat-off mode 0.005 kW Type of energy input Рто 0.005 Crankcase heater mode Standby mode 0.005 kW PsB Рск Other items For air-to-air heat pump: air 21500 m³/h Capacity control variable flow rate, outdoor measured Sound power dΒ I wa 89 level,outdoor kg CO₂ eq GWP of the refrigerant 2088 (100years) Contact details (**)If Cdh is not determined by measurement, then the default degradation coefficient of heat pumps shall be 0.25. Where information relates to multi-split heat pumps, xthe test result and performance data may be obtained on the basis of

performance of the outdoor unit, with a combination of indoor unit(s) recommended by the manufacturer or importer.

Cooling mode:

Info	ormatic	n requ	irement	s 1	for air-to-air cond	itione	rs	
Model(s): MV8-670WV2 Test matching indoor u			IH80Q4N18(0	Q)+:	3×MIH100Q4N18(Q)			
Outdoor side heat exch	anger of air	conditioner	: air					
Indoor side heat exchai	nger of air c	onditioner: a	air					
Type: compressor drive	en							
Driver of compressor: e	electric moto	r						
Item	Symbol	Value	Unit		Item	Symbol	Value	Unit
Rated cooling capacity	Prated,c	67.00	kW		Seasonal space cooling energy efficiency	ηs,c	249.0	%
					Declared energy efficiency ra /auxiliary energy factor fo temper			
Tj=+35°C	Pdc	67.00	kW		Tj=+35°C	EERd	2.18	
Tj=+30°C	Pdc	49.37	kW		Tj=+30°C	EERd	4.08	
Tj=+25°C	Pdc	31.74	kW		Tj=+25°C	EERd	7.18	
Tj=+20°C	Pdc	14.11	kW		Tj=+20°C	EERd	17.31	
Degradation co-efficient for air conditioners(*)	Cdc	0.25						
		Power consu	umption in mo	des	s other than "active mode"			
Off mode	Poff	0.005	kW		Crankcase heater mode	Рск	0.005	kW
Thermosat-off mode	Рто	0.005	kW		Standby mode	PsB	0.005	kW
			Othe	er it	ems	•		
Capacity control		variable			For air-to-air air conditioner: air flow rate, outdoor measured		21500	m³/h
Sound power level, outdoor	Lwa	92	dB					
GWP of the refrigerant		2088	kg CO _{2 eq} (100years)					

Contact details

(*)If Cdc is not determined by measurement, then the default degradation coefficient of heat pumps shall be 0.25.

Heating mode:

Information requirements for heat pumps

Model(s): MV8-670WV2RN1E(MA)

Test matching indoor units form, cassette: 5×MIH80Q4N18(Q)+3×MIH100Q4N18(Q)

Outdoor side heat exchanger of air conditioner: air

Indoor side heat exchanger of air conditioner: air

If the heater is equipped with a supplementary heater: no

Driver of compressor: electric motor

Parameters shall be declared for the average heating season, parameters for the warmer and colder heating seasons are optional.

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Item	Symbol	Value	Unit		Item	Symbol	Value	Unit
Rated heating capacity	Prated,h	67.00	kW		sonal space heating gy efficiency	ηs,h	173.0	%
Declared heating teperature 20°C					Declared coefficient of pe fficiency/auxiliary energy outdoor ten	factor for p	oart load a	
Tj=-7°C	Pdh	32.60	kW	Tj=-	7°C	COPd	2.34	
Tj=+2°C	Pdh	19.84	kW	Tj=+	2°C	COPd	4.21	
Tj=+7°C	Pdh	12.76	kW	Tj=+	7°C	COPd	6.73	
Tj=+12°C	Pdh	11.54	kW	Tj=+	12°C	COPd	8.60	
T _{biv} =bivalent temperature	Pdh	36.85	kW	Tbiv	=bivalent temperature	COPd	1.94	
ToL=operation temperature	Pdh	36.85	kW	ToL	=operation temperature	COPd	1.94	
Bivalent temperature	Tbiv	-10	°C					
Degradation co-efficient for heat pumps(**)	Cdh	0.25						
Power consumption in	modes othe	r than "activ	e mode"		Suppleme	ntary heate	er	
Off mode	Poff	0.005	kW	Bac	k-up heating capacity(*)	elbu	0	kW
Thermosat-off mode	Рто	0.005	kW	Тур	e of energy input			
Crankcase heater mode	Рск	0.005	kW	Star	ndby mode	PsB	0.005	kW
			Othe	er items				
Capacity control		variable			air-to-air heat pump: air rate, outdoor measured	-	21500	m³/h
Sound power level,outdoor	Lwa	92	dB					
GWP of the refrigerant		2088	kg CO _{2 eq} (100years)					
Contact details								

Contact details

(*)

^(**)If Cdh is not determined by measurement, then the default degradation coefficient of heat pumps shall be 0.25.

Cooling mode:

Info	ormatic	on requ	irements	s for air-to-air co	nditione	rs	
Model(s): MV8-730WV2 Test matching indoor up			IH80Q4N18(C	(Q))))))))))))))))))))))))))))))))))))			
Outdoor side heat exch			•	, , ,			
Indoor side heat excha							
Type: compressor drive							
Driver of compressor: e		or					
Item	Symbol	Value	Unit	Item	Symbol	Value	Unit
Rated cooling capacity	Prated,c	73.00	kW	Seasonal space cooling energy efficiency	ηs,c	229.0	%
Declared cooling cal temperatures T _j an				Declared energy efficier /auxiliary energy fact ter			
Tj=+35°C	Pdc	73.00	kW	Tj=+35°C	EERd	2.10	
Tj=+30°C	Pdc	53.79	kW	Tj=+30°C	EERd	3.62	
Tj=+25°C	Pdc	34.58	kW	Tj=+25°C	EERd	6.91	
T _j =+20°C	Pdc	15.89	kW	Tj=+20°C	EERd	14.73	
Degradation co-efficient for air conditioners(*)	Cdc	0.25					
		Power consu	umption in mo	des other than "active mode'	1		
Off mode	Poff	0.005	kW	Crankcase heater mode	Рск	0.005	kW
Thermosat-off mode	Рто	0.005	kW	Standby mode	PsB	0.005	kW
			Othe	er items			
Capacity control		variable		For air-to-air air condition air flow rate, outdoor measured	ner:	29000	m³/h
Sound power level, outdoor	Lwa	93	dB				
GWP of the refrigerant		2088	kg CO _{2 eq} (100years)				
Contact datails							

Contact details

(*)If Cdc is not determined by measurement, then the default degradation coefficient of heat pumps shall be 0.25.

Heating mode:

Information requirements for heat pumps

Model(s): MV8-730WV2RN1E(MA)

Test matching indoor units form, cassette: 2×MIH80Q4N18(Q)+6×MIH100Q4N18(Q)

Outdoor side heat exchanger of air conditioner: air

Indoor side heat exchanger of air conditioner: air

If the heater is equipped with a supplementary heater: no

Driver of compressor: electric motor

Parameters shall be declared for the average heating season, parameters for the warmer and colder heating seasons are optional.

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Item	Symbol	Value	Unit		Item	Symbol	Value	Unit
Rated heating capacity	Prated,h	73.00	kW		Seasonal space heating energy efficiency	ηs,h	169.8	%
Declared heating teperature 20°C					Declared coefficient of pe efficiency/auxiliary energy outdoor ten	factor for	oart load a	
Tj=-7°C	Pdh	38.04	kW		Tj=-7°C	COPd	2.05	
Tj=+2°C	Pdh	23.15	kW		Tj=+2°C	COPd	4.08	
Tj=+7°C	Pdh	14.88	kW		Tj=+7°C	COPd	7.30	
Tj=+12°C	Pdh	7.76	kW		Tj=+12°C	COPd	9.30	
T _{biv} =bivalent temperature	Pdh	43.00	kW		T _{biv} =bivalent temperature	COPd	1.66	
ToL=operation temperature	Pdh	43.00	kW		ToL =operation temperature	COPd	1.66	
Bivalent temperature	Tbiv	-10	°C					
Degradation co-efficient for heat pumps(**)	Cdh	0.25						
Power consumption in	modes othe	r than "active	e mode"		Suppleme	ntary heate	er	
Off mode	Poff	0.005	kW		Back-up heating capacity(*)	elbu	0	kW
Thermosat-off mode	Рто	0.005	kW		Type of energy input			•
Crankcase heater mode	Рск	0.005	kW		Standby mode	PsB	0.005	kW
			Othe	er ite	ems			•
Capacity control		variable			For air-to-air heat pump: air flow rate, outdoor measured		29000	m³/h
Sound power level,outdoor	Lwa	93	dB					
GWP of the refrigerant		2088	kg CO _{2 eq} (100years)					
Contact details								

Contact details

(*)

^(**)If Cdh is not determined by measurement, then the default degradation coefficient of heat pumps shall be 0.25.

Cooling mode:

Info	ormatic	n requ	irement	s 1	for air-to-air cond	itione	rs	
Model(s): MV8-785WV2 Test matching indoor ur			IH100O4N18	(O)				
				(\(\mathbb{Q}\))				
Outdoor side heat exch								
Indoor side heat exchai		onditioner: a	air					
Type: compressor drive								
Driver of compressor: e	lectric moto	r						
Item	Symbol	Value	Unit		Item	Symbol	Value	Unit
Rated cooling capacity	Prated,c	78.50	kW		Seasonal space cooling energy efficiency	ηs,c	253.0	%
Declared cooling cap temperatures T _j an					Declared energy efficiency ra /auxiliary energy factor fo temper			
Tj=+35°C	Pdc	78.50	kW		Tj=+35°C	EERd	2.45	
Tj=+30°C	Pdc	57.84	kW		Tj=+30°C	EERd	4.15	
Tj=+25°C	Pdc	37.18	kW		Tj=+25°C	EERd	7.50	
Tj=+20°C	Pdc	16.53	kW		T _j =+20°C	EERd	14.71	
Degradation co-efficient for air conditioners(*)	Cdc	0.25						
	ļ	Power consu	umption in mo	des	other than "active mode"			
Off mode	Poff	0.005	kW		Crankcase heater mode	Рск	0.005	kW
Thermosat-off mode	Рто	0.005	kW		Standby mode	PsB	0.005	kW
		•	Othe	er it	ems	•		•
Capacity control		variable			For air-to-air air conditioner: air flow rate, outdoor measured		28000	m³/h
Sound power level, outdoor	Lwa	93	dB					
GWP of the refrigerant		2088	kg CO _{2 eq} (100years)					

Contact details

(*)If Cdc is not determined by measurement, then the default degradation coefficient of heat pumps shall be 0.25.

Heating mode:

Information requirements for heat pumps

Model(s): MV8-785WV2RN1E(MA)

Test matching indoor units form, cassette: 8×MIH100Q4N18(Q)

Outdoor side heat exchanger of air conditioner: air

Indoor side heat exchanger of air conditioner: air

If the heater is equipped with a supplementary heater: no

Driver of compressor: electric motor

Parameters shall be declared for the average heating season, parameters for the warmer and colder heating seasons are

орионаі.									
Item	Symbol	Value	Unit		Item	Symbol	Value	Unit	
Rated heating capacity	Prated,h	78.50	kW		Seasonal space heating energy efficiency	ηs,h	169.8	%	
Declared heating teperature 20°C					Declared coefficient of pe efficiency/auxiliary energy outdoor ten	factor for p	oart load a		
Tj=-7°C	Pdh	38.04	kW		Tj=-7°C	COPd	2.16		
Tj=+2°C	Pdh	23.15	kW		Tj=+2°C	COPd	4.10		
Tj=+7°C	Pdh	14.88	kW		Tj=+7°C	COPd	6.93		
Tj=+12°C	Pdh	7.43	kW		Tj=+12°C	COPd	8.83		
T _{biv} =bivalent temperature	Pdh	43.00	kW		T _{biv} =bivalent temperature	COPd	1.75		
ToL=operation temperature	Pdh	43.00	kW		ToL =operation temperature	COPd	1.75		
Bivalent temperature	Tbiv	-10	°C						
Degradation co-efficient for heat pumps(**)	Cdh	0.25							
Power consumption in	modes othe	r than "active	e mode"		Supplementary heater				
Off mode	Poff	0.005	kW		Back-up heating capacity(*)	elbu	0	kW	
Thermosat-off mode	Рто	0.005	kW		Type of energy input				
Crankcase heater mode	Рск	0.005	kW		Standby mode	PsB	0.005	kW	
			Othe	er ite	ems				
Capacity control		variable			For air-to-air heat pump: air flow rate, outdoor measured		28000	m³/h	
Sound power level,outdoor	Lwa	93	dB						
GWP of the refrigerant		2088	kg CO _{2 eq} (100years)						
Contact details									

^(**)If Cdh is not determined by measurement, then the default degradation coefficient of heat pumps shall be 0.25.

Cooling mode:

Info	ormatic	n requ	irements	s f	or air-to-air cond	itione	rs	
Model(s): MV8-850WV2 Test matching indoor ur	2RN1E(MA) nits form, ca) assette: 6×M	IH100Q4N18((Q)+	-2×MIH140Q4N18(Q)			
Outdoor side heat exch	anger of air	conditioner	air					
Indoor side heat excha	nger of air c	onditioner: a	nir					
Type: compressor drive	n							
Driver of compressor: e	lectric moto	or						
Item	Symbol	Value	Unit		Item	Symbol	Value	Unit
Rated cooling capacity	Prated,c	85.00	kW		Seasonal space cooling energy efficiency	ηs,c	247.0	%
Declared cooling cap temperatures T _j an					Declared energy efficiency ra /auxiliary energy factor for temper			
Tj=+35°C	Pdc	85.00	kW		Tj=+35°C	EERd	2.30	
Tj=+30°C	Pdc	62.63	kW		Tj=+30°C	EERd	4.09	
Tj=+25°C	Pdc	40.26	kW		Tj=+25°C	EERd	7.41	
Tj=+20°C	Pdc	17.89	kW		Tj=+20°C	EERd	14.23	
Degradation co-efficient for air conditioners(*)	Cdc	0.25						
		Power consu	umption in mo	des	other than "active mode"			
Off mode	Poff	0.005	kW		Crankcase heater mode	Рск	0.005	kW
Thermosat-off mode	Рто	0.005	kW		Standby mode	PsB	0.005	kW
			Othe	er ite	ems			
Capacity control		variable			For air-to-air air conditioner: air flow rate, outdoor measured		28000	m³/h
Sound power level, outdoor	Lwa	93	dB					
GWP of the refrigerant		2088	kg CO _{2 eq} (100years)					

Contact details

 $({}^\star) \text{If } C_{\text{dc}} \text{ is not determined by measurement, then the default degradation coefficient of heat pumps shall be 0.25}.$

Heating mode:

Information requirements for heat pumps

Model(s): MV8-850WV2RN1E(MA)

Test matching indoor units form, cassette: 6×MIH100Q4N18(Q)+2×MIH140Q4N18(Q)

Outdoor side heat exchanger of air conditioner: air

Indoor side heat exchanger of air conditioner: air

If the heater is equipped with a supplementary heater: no

Driver of compressor: electric motor

Parameters shall be declared for the average heating season, parameters for the warmer and colder heating seasons are

Item	Symbol	Value	Unit		Item	Symbol	Value	Unit
Rated heating capacity	Prated,h	85.00	kW		Seasonal space heating energy efficiency	ηs,h	167.0	%
Declared heating teperature 20°C					Declared coefficient of pe efficiency/auxiliary energy outdoor ten	factor for	oart load a	
Tj=-7°C	Pdh	39.81	kW		Tj=-7°C	COPd	2.10	
Tj=+2°C	Pdh	24.23	kW		Tj=+2°C	COPd	3.99	
Tj=+7°C	Pdh	15.58	kW		Tj=+7°C	COPd	6.99	
Tj=+12°C	Pdh	7.37	kW		Tj=+12°C	COPd	8.91	
T _{biv} =bivalent temperature	Pdh	45.00	kW		T _{biv} =bivalent temperature	COPd	1.69	
ToL=operation temperature	Pdh	45.00	kW		ToL =operation temperature	COPd	1.69	
Bivalent temperature	Tbiv	-10	°C					
Degradation co-efficient for heat pumps(**)	Cdh	0.25						
Power consumption in	modes othe	r than "activ	e mode"		Suppleme	ntary heate	er	
Off mode	Poff	0.005	kW		Back-up heating capacity(*)	elbu	0	kW
Thermosat-off mode	Рто	0.005	kW		Type of energy input			•
Crankcase heater mode	Рск	0.005	kW		Standby mode	PsB	0.005	kW
			Othe	er it	ems			
Capacity control		variable			For air-to-air heat pump: air flow rate, outdoor measured		28000	m³/h
Sound power level,outdoor	Lwa	93	dB					
GWP of the refrigerant		2088	kg CO _{2 eq} (100years)					
Contact details								

(*)

^(**)If Cdh is not determined by measurement, then the default degradation coefficient of heat pumps shall be 0.25.

Cooling mode:

Info	ormatic	n requ	irement	s for air-to-air con	ditione	rs	
Model(s): MV8-900WV2 Test matching indoor un	\ /		IH100Q4N18((Q)+3×MIH140Q4N18(Q)			
Outdoor side heat exch	anger of air	conditioner	: air				
Indoor side heat exchai	nger of air c	onditioner: a	air				
Type: compressor drive	en						
Driver of compressor: e	electric moto	or					
Item	Symbol	Value	Unit	Item	Symbol	Value	Unit
Rated cooling capacity	Prated,c	90.00	kW	Seasonal space cooling energy efficiency	ηs,c	241.4	%
, , ,	Declared cooling capacity for part load at given outdoor temperatures T _j and indoor 27/19°C (dry/wet bulb)				ratio or gas for part load peratures Tj		
Tj=+35°C	Pdc	90.00	kW	Tj=+35°C	EERd	2.15	
Tj=+30°C	Pdc	66.32	kW	Tj=+30°C	EERd	4.08	
Tj=+25°C	Pdc	42.63	kW	Tj=+25°C	EERd	7.16	
Tj=+20°C	Pdc	18.95	kW	Tj=+20°C	EERd	14.40	
Degradation co-efficient for air conditioners(*)	Cdc	0.25					
	1	Power consu	umption in mo	des other than "active mode"			
Off mode	Poff	0.005	kW	Crankcase heater mode	Рск	0.005	kW
Thermosat-off mode	Рто	0.005	kW	Standby mode	PsB	0.005	kW
			Othe	er items			
Capacity control		variable		For air-to-air air conditione air flow rate, outdoor measured	r:	28000	m³/h
Sound power level, outdoor	Lwa	93	dB				
GWP of the refrigerant		2088	kg CO _{2 eq} (100years)				

Contact details

(*)If Cdc is not determined by measurement, then the default degradation coefficient of heat pumps shall be 0.25.

Heating mode:

Information requirements for heat pumps Model(s): MV8-900WV2RN1E(MA) Test matching indoor units form, cassette: 5×MIH100Q4N18(Q)+3×MIH140Q4N18(Q) Outdoor side heat exchanger of air conditioner: air Indoor side heat exchanger of air conditioner: air If the heater is equipped with a supplementary heater: no Driver of compressor: electric motor Parameters shall be declared for the average heating season, parameters for the warmer and colder heating seasons are optional. Value Unit Symbol Value Item Symbol Item Unit Seasonal space heating 90.00 kW 167.0 % Rated heating capacity Prated,h $\eta_{\text{s,h}}$ energy efficiency Declared coefficient of performance or gas utilisation Declared heating capacity for part load at indoor efficiency/auxiliary energy factor for part load at given teperature 20°C and outdoor temperatures Tj outdoor temperatures Ti Tj=-7°C Pdh 39.81 kW Tj=-7°C COPd 2.09 T_i=+2°C Tj=+2°C Pdh 24.23 kW COPd 3.96 Tj=+7°C Tj=+7°C 15.58 kW COPd Pdh7.11 Tj=+12°C Pdh 7.44 kW Tj=+12°C COPd 9.06 Tbiv=bivalent Pdh45.00 kW Tbiv =bivalent temperature COPd 1.66 temperature Tot=operation Pdh45.00 kW Tol =operation temperature COPd 1 66 temperature °C Bivalent temperature Tbiv -10 Degradation co-efficient for 0.25 Cdh heat pumps(**) Power consumption in modes other than "active mode" Supplementary heater Back-up heating capacity(*) kW 0.005 Off mode Poff kW elbu 0 Type of energy input Thermosat-off mode Рто 0.005 kW Standby mode Crankcase heater mode kW 0.005 kW 0.005 PsB Рск Other items For air-to-air heat pump: air Capacity control variable 28000 m³/h flow rate, outdoor measured Sound power Lwa 93 dΒ level,outdoor kg CO2 eq GWP of the refrigerant 2088 (100years) Contact details (**)If Cdh is not determined by measurement, then the default degradation coefficient of heat pumps shall be 0.25.

performance of the outdoor unit, with a combination of indoor unit(s) recommended by the manufacturer or importer.

Where information relates to multi-split heat pumps, xthe test result and performance data may be obtained on the basis of

2 FOR V8I MASTER INDIVIDUAL SERIES

8HP

Cooling mode:

Info	ormatic	n requ	irement	S	for air-to-air cond	litione	rs	
Model(s): MV8i-252WV Test matching indoor u			IH45Q4N18(0	Q)+	3×MIH71Q4N18(Q)			
Outdoor side heat exch	anger of air	conditioner	air					
Indoor side heat excha	nger of air c	onditioner: a	nir					
Type: compressor drive	en							
Driver of compressor: e	electric moto	or						
Item	Symbol	Value	Unit		Item	Symbol	Value	Unit
Rated cooling capacity	Prated,c	25.20	kW		Seasonal space cooling energy efficiency	ηs,c	299.0	%
Declared cooling capacity for part load at given outdoor temperatures T _j and indoor 27/19°C (dry/wet bulb)					Declared energy efficiency ra /auxiliary energy factor fo temper			
Tj=+35°C	Pdc	25.20	kW		Tj=+35°C	EERd	3.25	
Tj=+30°C	Pdc	18.57	kW		Tj=+30°C	EERd	4.90	
Tj=+25°C	Pdc	11.94	kW		Tj=+25°C	EERd	8.75	
Tj=+20°C	Pdc	7.56	kW		Tj=+20°C	EERd	18.00	
Degradation co-efficient for air conditioners(*)	Cdc	0.25						
		Power consu	umption in mo	ode	s other than "active mode"			
Off mode	Poff	0.005	kW		Crankcase heater mode	Рск	0.005	kW
Thermosat-off mode	Рто	0.005	kW		Standby mode	PsB	0.005	kW
			Othe	er it	ems			
Capacity control		variable			For air-to-air air conditioner: air flow rate, outdoor measured		12600	m³/h
Sound power level, outdoor	Lwa	83	dB					
GWP of the refrigerant		2088	kg CO _{2 eq} (100years)					
Contact details								

Contact details

(*)If Cdc is not determined by measurement, then the default degradation coefficient of heat pumps shall be 0.25.

Heating mode:

Information requirements for heat pumps

Model(s): MV8i-252WV2RN1E(MA)

Test matching indoor units form, cassette: 1×MIH45Q4N18(Q)+3×MIH71Q4N18(Q)

Outdoor side heat exchanger of air conditioner: air

Indoor side heat exchanger of air conditioner: air

If the heater is equipped with a supplementary heater: no

Driver of compressor: electric motor

Parameters shall be declared for the average heating season, parameters for the warmer and colder heating seasons are optional.

ориона.								
Item	Symbol	Value	Unit	Item	Symbol	Value	Unit	
Rated heating capacity	Prated,h	25.20	kW	Seasonal space heating energy efficiency	ηs,h	175.4	%	
Declared heating capacity for part load at indoor teperature 20°C and outdoor temperatures T _j			efficiency/auxiliary energ	Declared coefficient of performance or gas utilisation efficiency/auxiliary energy factor for part load at given outdoor temperatures T _j				
Tj=-7°C	Pdh	12.12	kW	Tj=-7°C	COPd	2.60		
Tj=+2°C	Pdh	7.38	kW	Tj=+2°C	COPd	4.29		
Tj=+7°C	Pdh	5.08	kW	Tj=+7°C	COPd	6.38		
Tj=+12°C	Pdh	6.15	kW	Tj=+12°C	COPd	8.18		
T _{biv} =bivalent temperature	Pdh	13.70	kW	Tbiv =bivalent temperature	COPd	2.20		
ToL=operation temperature	Pdh	13.70	kW	ToL =operation temperature	COPd	2.20		
Bivalent temperature	Tbiv	-10	°C					
Degradation co-efficient for heat pumps(**)	Cdh	0.25						
Power consumption in	modes other	r than "activ	e mode"	Supplementary heater				
Off mode	Poff	0.005	kW	Back-up heating capacity(*)	elbu	0	kW	
Thermosat-off mode	Рто	0.005	kW	Type of energy input		•	•	
Crankcase heater mode	Рск	0.005	kW	Standby mode	PsB	0.005	kW	
			Othe	er items	•			
Capacity control		variable		For air-to-air heat pump: air flow rate, outdoor measured		12600	m³/h	
Sound power level,outdoor	Lwa	83	dB					
GWP of the refrigerant		2088	kg CO _{2 eq} (100years)					
Contact details					-			

Contact details

(*)

^(**)If Cdh is not determined by measurement, then the default degradation coefficient of heat pumps shall be 0.25.

Cooling mode:

ormatic	n requ	irements	s 1	for air-to-air cond	itione	rs	
/2RN1E(MA) issette: 3×M	IH71Q4N18(C)+·	1×MIH80Q4N18(Q)			
anger of air	conditioner	air					
nger of air c	onditioner: a	air					
en							
electric moto	or						
Symbol	Value	Unit		Item	Symbol	Value	Unit
Prated,c	28.00	kW		Seasonal space cooling energy efficiency	ηs,c	295.0	%
Declared cooling capacity for part load at given outdoor temperatures T _j and indoor 27/19°C (dry/wet bulb)				/auxiliary energy factor fo	r part load		
Pdc	28.00	kW		Tj=+35°C	EERd	3.23	
Pdc	20.63	kW		Tj=+30°C	EERd	4.73	
Pdc	13.26	kW		Tj=+25°C	EERd	8.59	
Pdc	7.39	kW		T _j =+20°C	EERd	18.00	
Cdc	0.25						
	Power consu	umption in mo	des	other than "active mode"			
Poff	0.005	kW		Crankcase heater mode	Рск	0.005	kW
Рто	0.005	kW		Standby mode	PsB	0.005	kW
	•	Othe	er it	ems	•	•	•
	variable			For air-to-air air conditioner: air flow rate, outdoor measured		12600	m³/h
Lwa	84	dB					•
	2088	kg CO _{2 eq} (100years)					
	Pac Pdc Pdc Pdc Pdc Pdc Pdc Pdc Pdc Pdc Pd	Pac 28.00 Pdc 28.00 Pdc 20.63 Pdc 13.26 Pdc 7.39 Cdc 0.25 Power consultry Poff 0.005 Pto 0.005 Variable Lwa 84	Pac 28.00 kW Pac 20.63 kW Pac 13.26 kW Pac 13.26 kW Pac 0.25 Power consumption in mo Poff 0.005 kW Pto 0.005 kW	Part of air conditioner: air o	Prated,c 28.00 kW Tj=+35°C Pdc 20.63 kW Tj=+25°C Pdc 7.39 kW Tj=+25°C Pdc 7.39 kW Tj=+20°C Power consumption in modes other than "active mode" Power consumption in modes other than "active mode" Por 0.005 kW Standby mode Other items Por 1.009 kg CO2 eq kg CO2 e	Particular description of the condition	nits form, cassette: 3×MIH71Q4N18(Q)+1×MIH80Q4N18(Q) ranger of air conditioner: air riger of ai

Contact details

(*)If Cdc is not determined by measurement, then the default degradation coefficient of heat pumps shall be 0.25.

Heating mode:

Information requirements for heat pumps

Model(s): MV8i-280WV2RN1E(MA)

Test matching indoor units form, cassette: 3×MIH71Q4N18(Q)+1×MIH80Q4N18(Q)

Outdoor side heat exchanger of air conditioner: air

Indoor side heat exchanger of air conditioner: air

If the heater is equipped with a supplementary heater: no

Driver of compressor: electric motor

Parameters shall be declared for the average heating season, parameters for the warmer and colder heating seasons are

ориона.								
Item	Symbol	Value	Unit	Item	Symbol	Value	Unit	
Rated heating capacity	Prated,h	28.00	kW	Seasonal space heating energy efficiency	ηs,h	176.2	%	
Declared heating capacity for part load at indoor teperature 20°C and outdoor temperatures Tj				Declared coefficient of pe efficiency/auxiliary energy outdoor te		part load a		
Tj=-7°C	Pdh	14.15	kW	Tj=-7°C	COPd	2.52		
Tj=+2°C	Pdh	8.62	kW	Tj=+2°C	COPd	4.27		
Tj=+7°C	Pdh	5.54	kW	Tj=+7°C	COPd	6.66		
Tj=+12°C	Pdh	6.18	kW	Tj=+12°C	COPd	8.54		
T _{biv} =bivalent temperature	Pdh	16.00	kW	T _{biv} =bivalent temperature	COPd	2.13		
ToL=operation temperature	Pdh	16.00	kW	ToL =operation temperature	COPd	2.13		
Bivalent temperature	Tbiv	-10	°C					
Degradation co-efficient for heat pumps(**)	Cdh	0.25						
Power consumption in	modes othe	r than "activ	e mode"	Supplementary heater				
Off mode	Poff	0.005	kW	Back-up heating capacity(*)	elbu	0	kW	
Thermosat-off mode	Рто	0.005	kW	Type of energy input		•		
Crankcase heater mode	Рск	0.005	kW	Standby mode	PsB	0.005	kW	
			Othe	r items				
Capacity control		variable		For air-to-air heat pump: air flow rate, outdoor measured		12600	m³/h	
Sound power level,outdoor	Lwa	84	dB					
GWP of the refrigerant		2088	kg CO _{2 eq} (100years)					
Contact details								

^(**)If Cdn is not determined by measurement, then the default degradation coefficient of heat pumps shall be 0.25.

Cooling mode:

Info	ormatic	n requ	irement	S	for air-to-air cond	itione	rs	
Model(s): MV8i-335WV Test matching indoor ur			IH45Q4N18(Q)+	3×MIH71Q4N18(Q)			
Outdoor side heat exch	anger of air	conditioner	air					
Indoor side heat exchar	nger of air c	onditioner: a	nir					
Type: compressor drive	n							
Driver of compressor: e	lectric moto	r						
Item	Symbol	Value	Unit		Item	Symbol	Value	Unit
Rated cooling capacity	Prated,c	33.50	kW		Seasonal space cooling energy efficiency	ηs,c	289.4	%
Declared cooling capacity for part load at given outdoor temperatures T _j and indoor 27/19°C (dry/wet bulb)					Declared energy efficiency ra /auxiliary energy factor fo temper			
Tj=+35°C	Pdc	33.50	kW		Tj=+35°C	EERd	2.92	
Tj=+30°C	Pdc	24.68	kW		Tj=+30°C	EERd	4.72	
Tj=+25°C	Pdc	15.87	kW		Tj=+25°C	EERd	8.40	
Tj=+20°C	Pdc	7.96	kW		Tj=+20°C	EERd	18.00	
Degradation co-efficient for air conditioners(*)	Cdc	0.25						
•	1	Power consu	umption in mo	odes	s other than "active mode"			
Off mode	Poff	0.005	kW		Crankcase heater mode	Рск	0.005	kW
Thermosat-off mode	Рто	0.005	kW		Standby mode	PsB	0.005	kW
			Oth	er it	ems			
Capacity control		variable			For air-to-air air conditioner: air flow rate, outdoor measured		13500	m³/h
Sound power level, outdoor	Lwa	85	dB					
GWP of the refrigerant		2088	kg CO _{2 eq} (100years)					

Contact details

(*)If Cdc is not determined by measurement, then the default degradation coefficient of heat pumps shall be 0.25.

Heating mode:

Information requirements for heat pumps

Model(s): MV8i-335WV2RN1E(MA)

Test matching indoor units form, cassette: 3×MIH45Q4N18(Q)+3×MIH71Q4N18(Q)

Outdoor side heat exchanger of air conditioner: air

Indoor side heat exchanger of air conditioner: air

If the heater is equipped with a supplementary heater: no

Driver of compressor: electric motor

Parameters shall be declared for the average heating season, parameters for the warmer and colder heating seasons are optional.

Item	Symbol	Value	Unit	Item	Symbol	Value	Unit		
Rated heating capacity	Prated,h	33.50	kW	Seasonal space heating energy efficiency	Ŋs,h	173.8	%		
Declared heating capacity for part load at indoor teperature 20°C and outdoor temperatures Tj				efficiency/auxiliary energy	Declared coefficient of performance or gas utilisation efficiency/auxiliary energy factor for part load at given outdoor temperatures T _j				
Tj=-7°C	Pdh	16.28	kW	Tj=-7°C	COPd	2.41			
Tj=+2°C	Pdh	9.91	kW	Tj=+2°C	COPd	4.19			
Tj=+7°C	Pdh	6.37	kW	Tj=+7°C	COPd	6.77			
Tj=+12°C	Pdh	6.16	kW	Tj=+12°C	COPd	8.70			
T _{biv} =bivalent temperature	Pdh	18.40	kW	T _{biv} =bivalent temperature	COPd	2.04			
ToL=operation temperature	Pdh	18.40	kW	ToL =operation temperature	COPd	2.04			
Bivalent temperature	Tbiv	-10	°C						
Degradation co-efficient for heat pumps(**)	Cdh	0.25							
Power consumption in	modes othe	r than "activ	e mode"	Supplementary heater					
Off mode	Poff	0.005	kW	Back-up heating capacity(*)	elbu	0	kW		
Thermosat-off mode	Рто	0.005	kW	Type of energy input		•	•		
Crankcase heater mode	Рск	0.005	kW	Standby mode	PsB	0.005	kW		
			Othe	r items	•		•		
Capacity control		variable		For air-to-air heat pump: air flow rate, outdoor measured		13500	m³/h		
Sound power level,outdoor	Lwa	85	dB						
GWP of the refrigerant		2088	kg CO _{2 eq} (100years)						
Contact details									

Contact detail

(*)

^(**)If Cdh is not determined by measurement, then the default degradation coefficient of heat pumps shall be 0.25.

Cooling mode:

Info	ormatic	n requ	irements	for air-to-air cond	ditione	rs	
Model(s): MV8i-400WV	2RN1E(MA)	U 1450 4N40/0) . 4 . MIL 1000 4N140 (O)			
Test matching indoor ur)+4×MIH80Q4N18(Q)			
Outdoor side heat exch							
Indoor side heat exchai	nger of air c	onditioner: a	air				
Type: compressor drive	en						
Driver of compressor: e	electric moto	or					
Item	Symbol	Value	Unit	Item	Symbol	Value	Unit
Rated cooling capacity	Prated,c	40.00	kW	Seasonal space cooling energy efficiency	ηs,c	291.0	%
Declared cooling cap temperatures T _j an				Declared energy efficiency /auxiliary energy factor f tempe			
Tj=+35°C	Pdc	40.00	kW	Tj=+35°C	EERd	2.90	
Tj=+30°C	Pdc	29.47	kW	Tj=+30°C	EERd	4.87	
Tj=+25°C	Pdc	18.95	kW	Tj=+25°C	EERd	8.50	
T _j =+20°C	Pdc	11.20	kW	Tj=+20°C	EERd	17.64	
Degradation co-efficient for air conditioners(*)	Cdc	0.25					
	!	Power consu	umption in mod	les other than "active mode"			
Off mode	Poff	0.005	kW	Crankcase heater mode	Рск	0.005	kW
Thermosat-off mode	Рто	0.005	kW	Standby mode	PsB	0.005	kW
		•	Othe	r items	•		•
Capacity control		variable		For air-to-air air conditioner: air flow rate, outdoor measured		15600	m³/h
Sound power level, outdoor	Lwa	86	dB				
GWP of the refrigerant		2088	kg CO _{2 eq} (100years)				

Contact details

(*)If Cdc is not determined by measurement, then the default degradation coefficient of heat pumps shall be 0.25.

Heating mode:

Information requirements for heat pumps

Model(s): MV8i-400WV2RN1E(MA)

Test matching indoor units form, cassette: 2×MIH45Q4N18(Q)+4×MIH80Q4N18(Q)

Outdoor side heat exchanger of air conditioner: air

Indoor side heat exchanger of air conditioner: air

If the heater is equipped with a supplementary heater: no

Driver of compressor: electric motor

Parameters shall be declared for the average heating season, parameters for the warmer and colder heating seasons are

орионаі.									
Item	Symbol	Value	Unit		Item	Symbol	Value	Unit	
Rated heating capacity	Prated,h	40.00	kW		Seasonal space heating energy efficiency		172.6	%	
Declared heating capacity for part load at indoor teperature 20°C and outdoor temperatures T _j				Declared coefficient of performance or gas utilisation efficiency/auxiliary energy factor for part load at giver outdoor temperatures Tj					
Tj=-7°C	Pdh	19.46	kW	Tj=	-7°C	COPd	2.52		
Tj=+2°C	Pdh	11.85	kW	Tj=	+2°C	COPd	4.34		
Tj=+7°C	Pdh	7.62	kW	Tj=	+7°C	COPd	5.85		
Tj=+12°C	Pdh	9.42	kW	Tj=	+12°C	COPd	8.59		
T _{biv} =bivalent temperature	Pdh	22.00	kW	Tbiv	=bivalent temperature	COPd	2.16		
ToL=operation temperature	Pdh	22.00	kW	Тоі	=operation temperature	COPd	2.16		
Bivalent temperature	Tbiv	-10	°C						
Degradation co-efficient for heat pumps(**)	Cdh	0.25							
Power consumption in	modes othe	r than "active	e mode"		Supplementary heater				
Off mode	Poff	0.005	kW	Ва	ck-up heating capacity(*)	elbu	0	kW	
Thermosat-off mode	Рто	0.005	kW	Тур	oe of energy input		•		
Crankcase heater mode	Рск	0.005	kW	Sta	andby mode	PsB	0.005	kW	
			Othe	er items			•	•	
Capacity control		variable			air-to-air heat pump: air vrate, outdoor measured		15600	m³/h	
Sound power level,outdoor	Lwa	86	dB						
GWP of the refrigerant		2088	kg CO _{2 eq} (100years)						
Contact details									

^(**)If Cdn is not determined by measurement, then the default degradation coefficient of heat pumps shall be 0.25.

Cooling mode:

Info	ormatic	n requ	irements	s for air-to-air con	ditione	rs	
Model(s): MV8i-450WV	`	,), F. MILIOSO (NIAO(O)			
Test matching indoor ur			•	1)+5×MIH80Q4N18(Q)			
Outdoor side heat exch	anger of air	conditioner	air				
Indoor side heat exchai	nger of air c	onditioner: a	nir				
Type: compressor drive	n						
Driver of compressor: e	lectric moto	or					
Item	Symbol	Value	Unit	Item	Symbol	Value	Unit
Rated cooling capacity	Prated,c	45.00	kW	Seasonal space cooling energy efficiency	ηs,c	277.0	%
Declared cooling cap temperatures T _j an				Declared energy efficiency /auxiliary energy factor temp			
Tj=+35°C	Pdc	45.00	kW	T _j =+35°C	EERd	2.52	
Tj=+30°C	Pdc	33.16	kW	Tj=+30°C	EERd	4.67	
Tj=+25°C	Pdc	21.32	kW	Tj=+25°C	EERd	7.98	
Tj=+20°C	Pdc	10.87	kW	Tj=+20°C	EERd	18.00	
Degradation co-efficient for air conditioners(*)	Cdc	0.25					
		Power consu	umption in mod	des other than "active mode"			
Off mode	Poff	0.005	kW	Crankcase heater mode	Рск	0.005	kW
Thermosat-off mode	Рто	0.005	kW	Standby mode	PsB	0.005	kW
		•	Othe	r items	'		•
Capacity control		variable		For air-to-air air conditioner air flow rate, outdoor measured		15600	m³/h
Sound power level, outdoor	Lwa	86	dB		·		
GWP of the refrigerant		2088	kg CO _{2 eq} (100years)				

Contact details

 $({}^\star) \text{If } C_{\text{dc}} \text{ is not determined by measurement, then the default degradation coefficient of heat pumps shall be 0.25}.$

Heating mode:

Information requirements for heat pumps

Model(s): MV8i-450WV2RN1E(MA)

Test matching indoor units form, cassette: 1×MIH71Q4N18(Q)+5×MIH80Q4N18(Q)

Outdoor side heat exchanger of air conditioner: air

Indoor side heat exchanger of air conditioner: air

If the heater is equipped with a supplementary heater: no

Driver of compressor: electric motor

Parameters shall be declared for the average heating season, parameters for the warmer and colder heating seasons are optional.

Item	Symbol	Value	Unit		Item	Symbol	Value	Unit
Rated heating capacity	Prated,h	45.00	kW		Seasonal space heating energy efficiency	ηs,h	173.0	%
Declared heating teperature 20°C					Declared coefficient of pe efficiency/auxiliary energy outdoor ter	factor for	part load a	
Tj=-7°C	Pdh	21.89	kW		Tj=-7°C	COPd	2.47	
Tj=+2°C	Pdh	13.33	kW		Tj=+2°C	COPd	4.24	
Tj=+7°C	Pdh	8.57	kW		Tj=+7°C	COPd	6.31	
Tj=+12°C	Pdh	9.26	kW		Tj=+12°C	COPd	8.69	
T _{biv} =bivalent temperature	Pdh	24.75	kW		T _{biv} =bivalent temperature	COPd	2.07	
ToL=operation temperature	Pdh	24.75	kW		ToL =operation temperature	COPd	2.07	
Bivalent temperature	Tbiv	-10	°C					
	T	T						
Degradation co-efficient for heat pumps(**)	Cdh	0.25						
Power consumption in	modes othe	r than "activ	e mode"		Suppleme	ntary heate	ər	
Off mode	Poff	0.005	kW		Back-up heating capacity(*)	elbu	0	kW
Thermosat-off mode	Рто	0.005	kW		Type of energy input			
Crankcase heater mode	Рск	0.005	kW		Standby mode	PsB	0.005	kW
			Othe	er it	ems			
Capacity control		variable			For air-to-air heat pump: air flow rate, outdoor measured		15600	m³/h
Sound power level,outdoor	Lwa	86	dB					•
GWP of the refrigerant		2088	kg CO _{2 eq} (100years)					
Contact details								

(*)

^(**)If Cdh is not determined by measurement, then the default degradation coefficient of heat pumps shall be 0.25.

Cooling mode:

Info	ormatic	n requ	irement	S	for air-to-air cond	litione	rs	
Model(s): MV8i-500WV Test matching indoor ur			IH4504N19/		.6×MIH71O4N118(O)			
			•	<i></i> √,⊤	0^WIFT 1Q4N 10(Q)			
Outdoor side heat exch								
Indoor side heat exchai		onditioner: a	air					
Type: compressor drive	en							
Driver of compressor: e	electric moto	r						
Item	Symbol	Value	Unit		Item	Symbol	Value	Unit
Rated cooling capacity	Prated,c	50.00	kW		Seasonal space cooling energy efficiency	ηs,c	281.0	%
Declared cooling cap temperatures T _j an					Declared energy efficiency ra /auxiliary energy factor fo temper			
Tj=+35°C	Pdc	50.00	kW		Tj=+35°C	EERd	2.80	
Tj=+30°C	Pdc	36.84	kW		Tj=+30°C	EERd	4.53	
Tj=+25°C	Pdc	23.68	kW		Tj=+25°C	EERd	8.22	-
Tj=+20°C	Pdc	13.27	kW		Tj=+20°C	EERd	18.00	
Degradation co-efficient for air conditioners(*)	Cdc	0.25						
	I	Power consu	umption in mo	de	s other than "active mode"			
Off mode	Poff	0.005	kW		Crankcase heater mode	Рск	0.005	kW
Thermosat-off mode	Рто	0.005	kW		Standby mode	PsB	0.005	kW
		•	Oth	er it	tems	•		
Capacity control		variable			For air-to-air air conditioner: air flow rate, outdoor measured		22000	m³/h
Sound power level, outdoor	Lwa	88	dB					
GWP of the refrigerant		2088	kg CO _{2 eq} (100years)					

Contact details

 $(^{\star}) \text{If } Cdc \text{ is not determined by measurement, then the default degradation coefficient of heat pumps shall be } 0.25.$

Heating mode:

Information requirements for heat pumps Model(s): MV8i-500WV2RN1E(MA) Test matching indoor units form, cassette: 2×MIH45Q4N18(Q)+6×MIH71Q4N18(Q) Outdoor side heat exchanger of air conditioner: air Indoor side heat exchanger of air conditioner: air If the heater is equipped with a supplementary heater: no Driver of compressor: electric motor Parameters shall be declared for the average heating season, parameters for the warmer and colder heating seasons are optional. Item Symbol Value Unit Item Symbol Value Unit Seasonal space heating Rated heating capacity Prated,h 50.00 kW 175.0 % $\eta_{\text{s,h}}$ energy efficiency Declared coefficient of performance or gas utilisation Declared heating capacity for part load at indoor efficiency/auxiliary energy factor for part load at given teperature 20°C and outdoor temperatures Tj outdoor temperatures Tj 2.68 Tj=-7°C Pdh 24.33 kW Tj=-7°C COPd Tj=+2°C Tj=+2°C Pdh 14.81 kW COPd 4.22 Tj=+7°C Pdh 9.52 kW T_i=+7°C COPd 6.30 --Tj=+12°C Pdh 9.36 kW Tj=+12°C COPd 8.25 T_{biv}=bivalent P^{dh} 27.50 kW Tbiv =bivalent temperature COPd 2.21 temperature To_L=operation P^{dh} 27.50 kW Tol =operation temperature COPd 2.21 temperature °C Bivalent temperature -10 Tbiv Degradation co-efficient for 0.25 heat pumps(**) Power consumption in modes other than "active mode" Supplementary heater Back-up heating capacity(*) kW Off mode Poff 0.005 kW elbu 0 Type of energy input Thermosat-off mode 0.005 kW Рто Crankcase heater mode Standby mode 0.005 kW 0.005 kW Рск

Other items

Capacity control		variable			For air-to-air heat pump: air flow rate, outdoor measured	 22000	m³/h
Sound power level,outdoor	Lwa	88	dB				
GWP of the refrigerant		2088	kg CO _{2 eq} (100years)				

Contact details

(*)

^(**))If Cdh is not determined by measurement, then the default degradation coefficient of heat pumps shall be 0.25.

Cooling mode:

Info	ormatic	n requ	irement	S	for air-to-air cond	itione	rs	
Model(s): MV8i-560WV								
Test matching indoor u			•	J)				
Outdoor side heat exch	anger of air	conditioner	air					
Indoor side heat excha	nger of air c	onditioner: a	nir					
Type: compressor drive	en							
Driver of compressor: e	electric moto	or						
Item	Symbol	Value	Unit		Item	Symbol	Value	Unit
Rated cooling capacity	Prated,c	56.00	kW		Seasonal space cooling energy efficiency	ηs,c	269.0	%
Declared cooling ca temperatures T _j an					Declared energy efficiency ra /auxiliary energy factor fo temper			
Tj=+35°C	Pdc	56.00	kW		Tj=+35°C	EERd	2.59	
Tj=+30°C	Pdc	41.26	kW		Tj=+30°C	EERd	4.31	
Tj=+25°C	Pdc	26.53	kW		Tj=+25°C	EERd	7.81	
Tj=+20°C	Pdc	13.55	kW		Tj=+20°C	EERd	18.00	
Degradation co-efficient for air conditioners(*)	Cdc	0.25						
		Power consu	umption in mo	des	s other than "active mode"			
Off mode	Poff	0.005	kW		Crankcase heater mode	Рск	0.005	kW
Thermosat-off mode	Рто	0.005	kW		Standby mode	PsB	0.005	kW
		•	Othe	er it	ems			
Capacity control		variable			For air-to-air air conditioner: air flow rate, outdoor measured		22000	m³/h
Sound power level, outdoor	Lwa	89	dB					
GWP of the refrigerant		2088	kg CO _{2 eq} (100years)					
Contact details								

Contact details

(*)If C_{dc} is not determined by measurement, then the default degradation coefficient of heat pumps shall be 0.25.

Heating mode:

Information requirements for heat pumps

Model(s): MV8i-560WV2RN1E(MA)

Test matching indoor units form, cassette: 8×MIH71Q4N18(Q)

Outdoor side heat exchanger of air conditioner: air

Indoor side heat exchanger of air conditioner: air

If the heater is equipped with a supplementary heater: no

Driver of compressor: electric motor

Parameters shall be declared for the average heating season, parameters for the warmer and colder heating seasons are optional.

optional.							
Item	Symbol	Value	Unit	Item	Symbol	Value	Unit
Rated heating capacity	Prated,h	56.00	kW	Seasonal space heating energy efficiency	ηs,h	169.0	%
Declared heating teperature 20°C				Declared coefficient of poefficiency/auxiliary energicutdoor te		part load a	
Tj=-7°C	Pdh	27.42	kW	Tj=-7°C	COPd	2.48	
Tj=+2°C	Pdh	16.69	kW	Tj=+2°C	COPd	4.00	
Tj=+7°C	Pdh	10.73	kW	Tj=+7°C	COPd	6.47	
Tj=+12°C	Pdh	10.11	kW	Tj=+12°C	COPd	8.58	
T _{biv} =bivalent temperature	Pdh	31.00	kW	T _{biv} =bivalent temperature	COPd	2.08	
ToL=operation temperature	Pdh	31.00	kW	ToL =operation temperature	COPd	2.08	
Bivalent temperature	Tbiv	-10	°C				
Degradation co-efficient for heat pumps(**)	Cdh	0.25					
Power consumption in	modes othe	r than "activ	e mode"	Suppleme	entary heate	er	
Off mode	Poff	0.005	kW	Back-up heating capacity(*)	elbu	0	kW
Thermosat-off mode	Рто	0.005	kW	Type of energy input			
Crankcase heater mode	Рск	0.005	kW	Standby mode	PsB	0.005	kW
			Othe	er items	•		•
Capacity control		variable		For air-to-air heat pump: air flow rate, outdoor measured		22000	m³/h
Sound power level,outdoor	Lwa	89	dB				
GWP of the refrigerant		2088	kg CO _{2 eq} (100years)				
Contact details		_				· · ·	_

Contact details

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^(**)If Cdh is not determined by measurement, then the default degradation coefficient of heat pumps shall be 0.25.

Cooling mode:

Info	ormatic	n requ	irements	s for air-to-air con	ditione	rs	
Model(s): MV8i-615WV Test matching indoor u			IH80Q4N18(C	1)			
Outdoor side heat exch	anger of air	conditioner	air				
Indoor side heat excha	nger of air c	onditioner: a	air				
Type: compressor drive	n						
Driver of compressor: e	electric moto	or					
Item	Symbol	Value	Unit	Item	Symbol	Value	Unit
Rated cooling capacity	Prated,c	61.50	kW	Seasonal space cooling energy efficiency	ηs,c	265.0	%
Declared cooling ca temperatures T _j an				Declared energy efficiency /auxiliary energy factor temp			
Tj=+35°C	Pdc	61.50	kW	Tj=+35°C	EERd	2.43	
Tj=+30°C	Pdc	45.32	kW	Tj=+30°C	EERd	4.35	
Tj=+25°C	Pdc	29.13	kW	Tj=+25°C	EERd	7.68	
T _j =+20°C	Pdc	14.14	kW	Tj=+20°C	EERd	17.22	
Degradation co-efficient for air conditioners(*)	Cdc	0.25					
		Power consu	umption in mod	des other than "active mode"			
Off mode	Poff	0.005	kW	Crankcase heater mode	Рск	0.005	kW
Thermosat-off mode	Рто	0.005	kW	Standby mode	PsB	0.005	kW
			Othe	r items			
Capacity control		variable		For air-to-air air conditioner air flow rate, outdoor measured	r:	21500	m³/h
Sound power level, outdoor	Lwa	89	dB		•		
GWP of the refrigerant		2088	kg CO _{2 eq} (100years)				

Contact details

(*)If Cdc is not determined by measurement, then the default degradation coefficient of heat pumps shall be 0.25.

Heating mode:

Information requirements for heat pumps Model(s): MV8i-615WV2RN1E(MA) Test matching indoor units form, cassette: 8×MIH80Q4N18(Q) Outdoor side heat exchanger of air conditioner: air Indoor side heat exchanger of air conditioner: air If the heater is equipped with a supplementary heater: no Driver of compressor: electric motor Parameters shall be declared for the average heating season, parameters for the warmer and colder heating seasons are optional. Symbol Value Unit Item Symbol Value Unit Seasonal space heating Rated heating capacity Prated,h 61.50 kW 175.0 % η s,h energy efficiency Declared coefficient of performance or gas utilisation Declared heating capacity for part load at indoor efficiency/auxiliary energy factor for part load at given teperature 20°C and outdoor temperatures Tj outdoor temperatures Ti Tj=-7°C Tj=-7°C Pdh 29.90 kW COPd 2.32 Pdh kW --Tj=+2°C 18.20 Tj=+2°C COPd 4.27 T_i=+7°C Pdh 11.70 kW T_i=+7°C COPd 6.89 --Tj=+12°C P_{dh} 11.49 kW Tj=+12°C COPd 8.83 --Tbiv=bivalent Pdh 33.80 kW Tbiv =bivalent temperature COPd 1.89 temperature To_L=operation Pdh 33.80 kW Tol =operation temperature COPd 1 89 temperature °C Bivalent temperature Tbiv -10 Degradation co-efficient for Cdh 0.25 heat pumps(**) Power consumption in modes other than "active mode" Supplementary heater Poff Back-up heating capacity(*) 0 kW Off mode 0.005 elbu Thermosat-off mode 0.005 kW Type of energy input Рто Crankcase heater mode Standby mode 0.005 0.005 kW PsB Рск Other items For air-to-air heat pump: air 21500 m³/h Capacity control variable flow rate, outdoor measured Sound power dΒ I wa 89 level,outdoor kg CO2 eq GWP of the refrigerant 2088 (100years) Contact details

^(**)If Cdh is not determined by measurement, then the default degradation coefficient of heat pumps shall be 0.25.

Cooling mode:

nger of air		IH80Q4N18(C	2)+3	×MIH100Q4N18(Q)			
	conditioner:	air					
ger of air co	onditioner: a	iir					
ectric moto	r						
Symbol	Value	Unit		Item	Symbol	Value	Unit
Prated,c	67.00	kW		Seasonal space cooling energy efficiency	ηs,c	249.0	%
				/auxiliary energy factor fo	r part load		
Pdc	67.00	kW		Tj=+35°C	EERd	2.18	
Pdc	49.37	kW		Tj=+30°C	EERd	4.08	
Pdc	31.74	kW		Tj=+25°C	EERd	7.18	
Pdc	14.11	kW		Tj=+20°C	EERd	17.31	
Cdc	0.25						
F	Power consu	ımption in mo	des	other than "active mode"			
Poff	0.005	kW		Crankcase heater mode	Рск	0.005	kW
Рто	0.005	kW		Standby mode	PsB	0.005	kW
		Othe	er ite	ems			
	variable			For air-to-air air conditioner: air flow rate, outdoor measured		21500	m³/h
Lwa	92	dB					
	2088	kg CO _{2 eq} (100years)					
	er of air concerning of the content	er of air conditioner: a ctric motor Symbol Value Prated,c 67.00 city for part load at givindoor 27/19°C (dry/v) Pdc 67.00 Pdc 49.37 Pdc 31.74 Pdc 14.11 Cdc 0.25 Power consumption of the condition of	er of air conditioner: air ctric motor Symbol Value Unit Prated,c 67.00 kW city for part load at given outdoor indoor 27/19°C (dry/wet bulb) Pdc 67.00 kW Pdc 49.37 kW Pdc 31.74 kW Pdc 14.11 kW Cdc 0.25 Power consumption in motor of the consu	er of air conditioner: air ctric motor Symbol Value Unit Prated,c 67.00 kW city for part load at given outdoor indoor 27/19°C (dry/wet bulb) Pdc 67.00 kW Pdc 49.37 kW Pdc 31.74 kW Pdc 14.11 kW Cdc 0.25 Power consumption in modes Poff 0.005 kW Pto 0.005 kW Other ite variable Lwa 92 dB 2088 kg CO2 eq	rer of air conditioner: air ctric motor Symbol Value Unit Seasonal space cooling energy efficiency city for part load at given outdoor indoor 27/19°C (dry/wet bulb) Pdc 67.00 kW Tj=+35°C Pdc 49.37 kW Tj=+35°C Pdc 31.74 kW Tj=+25°C Pdc 14.11 kW Tj=+25°C Cdc 0.25 Power consumption in modes other than "active mode" Poff 0.005 kW Standby mode Other items Variable For air-to-air air conditioner: air flow rate, outdoor measured Lwa 92 dB 2088 kg CO2 eq	ctric motor Symbol Value Unit Item Symbol Prated,c 67.00 kW Seasonal space cooling energy efficiency ratio or gas /auxiliary energy factor for part load at given outdoor indoor 27/19°C (dry/wet bulb) Pdc 67.00 kW Tj=+35°C EERd Pdc 49.37 kW Tj=+30°C EERd Pdc 31.74 kW Tj=+25°C EERd Pdc 14.11 kW Tj=+20°C EERd Cdc 0.25 Power consumption in modes other than "active mode" Porf 0.005 kW Crankcase heater mode Pck PTO 0.005 kW Standby mode PsB Other items Variable For air-to-air air conditioner: air flow rate, outdoor measured Lwa 92 dB 20.88 kg CO2 eq	Prated,c

Contact details

(*)If Cdc is not determined by measurement, then the default degradation coefficient of heat pumps shall be 0.25.

Heating mode:

Information requirements for heat pumps

Model(s): MV8i-670WV2RN1E(MA)

Test matching indoor units form, cassette: 5×MIH80Q4N18(Q)+3×MIH100Q4N18(Q)

Outdoor side heat exchanger of air conditioner: air

Indoor side heat exchanger of air conditioner: air

If the heater is equipped with a supplementary heater: no

Driver of compressor: electric motor

Parameters shall be declared for the average heating season, parameters for the warmer and colder heating seasons are optional.

-								
Item	Symbol	Value	Unit	Item	Symbol	Value	Unit	
Rated heating capacity	Prated,h	67.00	kW	Seasonal space heating energy efficiency	ηs,h	173.0	%	
Declared heating teperature 20°C				Declared coefficient of poefficiency/auxiliary energicutdoor te		part load at given		
Tj=-7°C	Pdh	32.60	kW	Tj=-7°C	COPd	2.34		
Tj=+2°C	Pdh	19.84	kW	Tj=+2°C	COPd	4.21		
Tj=+7°C	Pdh	12.76	kW	Tj=+7°C	COPd	6.73		
Tj=+12°C	Pdh	11.54	kW	Tj=+12°C	COPd	8.60		
T _{biv} =bivalent temperature	Pdh	36.85	kW	T _{biv} =bivalent temperature	COPd	1.94		
ToL=operation temperature	Pdh	36.85	kW	ToL =operation temperature	COPd	1.94		
Bivalent temperature	Tbiv	-10	°C					
Degradation co-efficient for heat pumps(**)	Cdh	0.25						
Power consumption in	modes othe	r than "activ	e mode"	Suppleme	entary heate	er		
Off mode	Poff	0.005	kW	Back-up heating capacity(*)	elbu	0	kW	
Thermosat-off mode	Рто	0.005	kW	Type of energy input			•	
Crankcase heater mode	Рск	0.005	kW	Standby mode	PsB	0.005	kW	
		•	Othe	er items	•		•	
Capacity control		variable		For air-to-air heat pump: air flow rate, outdoor measured		21500	m³/h	
Sound power level,outdoor	Lwa	92	dB					
GWP of the refrigerant		2088	kg CO _{2 eq} (100years)					
Contact details								

Contact details

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^(**)If Cdh is not determined by measurement, then the default degradation coefficient of heat pumps shall be 0.25.

Cooling mode:

Info	ormatic	n requ	irements	s f	or air-to-air cond	itione	rs	
Model(s): MV8i-730WV								
Test matching indoor ur			`	ર)+6	6×MIH100Q4N18(Q)			
Outdoor side heat exch	anger of air	conditioner	air					
Indoor side heat exchai	nger of air c	onditioner: a	nir					
Type: compressor drive	n							
Driver of compressor: e	lectric moto	or						
Item	Symbol	Value	Unit		Item	Symbol	Value	Unit
Rated cooling capacity	Prated,c	73.00	kW		Seasonal space cooling energy efficiency	ηs,c	229.0	%
Declared cooling cap temperatures T _j an					Declared energy efficiency ra /auxiliary energy factor fo temper			
Tj=+35°C	Pdc	73.00	kW		Tj=+35°C	EERd	2.10	
Tj=+30°C	Pdc	53.79	kW		Tj=+30°C	EERd	3.62	
Tj=+25°C	Pdc	34.58	kW		Tj=+25°C	EERd	6.91	
Tj=+20°C	Pdc	15.89	kW		Tj=+20°C	EERd	14.73	
Degradation co-efficient for air conditioners(*)	Cdc	0.25						
		Power consu	umption in mo	des	other than "active mode"			
Off mode	Poff	0.005	kW		Crankcase heater mode	Рск	0.005	kW
Thermosat-off mode	Рто	0.005	kW		Standby mode	PsB	0.005	kW
		•	Othe	er ite	ems			
Capacity control		variable			For air-to-air air conditioner: air flow rate, outdoor measured		29000	m³/h
Sound power level, outdoor	Lwa	93	dB					
GWP of the refrigerant		2088	kg CO _{2 eq} (100years)					

Contact details

 $({}^\star) \text{If } C_{\text{dc}} \text{ is not determined by measurement, then the default degradation coefficient of heat pumps shall be 0.25}.$

Heating mode:

Information requirements for heat pumps

Model(s): MV8i-730WV2RN1E(MA)

Test matching indoor units form, cassette: 2×MIH80Q4N18(Q)+6×MIH100Q4N18(Q)

Outdoor side heat exchanger of air conditioner: air

Indoor side heat exchanger of air conditioner: air

If the heater is equipped with a supplementary heater: no

Driver of compressor: electric motor

Parameters shall be declared for the average heating season, parameters for the warmer and colder heating seasons are optional.

•							
Item	Symbol	Value	Unit	Item	Symbol	Value	Unit
Rated heating capacity	Prated,h	73.00	kW	Seasonal space heating energy efficiency	η s,h	169.8	%
Declared heating teperature 20°C				Declared coefficient of pefficiency/auxiliary energonal outdoor to		part load a	
Tj=-7°C	Pdh	38.04	kW	Tj=-7°C	COPd	2.05	
Tj=+2°C	Pdh	23.15	kW	Tj=+2°C	COPd	4.08	
Tj=+7°C	Pdh	14.88	kW	Tj=+7°C	COPd	7.30	
Tj=+12°C	Pdh	7.76	kW	Tj=+12°C	COPd	9.30	
T _{biv} =bivalent temperature	Pdh	43.00	kW	T _{biv} =bivalent temperature	COPd	1.66	
ToL=operation temperature	Pdh	43.00	kW	ToL =operation temperature	e COPd	1.66	
Bivalent temperature	Tbiv	-10	°C				
Degradation co-efficient for heat pumps(**)	Cdh	0.25					
Power consumption in	modes othe	r than "activ	e mode"	Supplem	entary heat	er	
Off mode	Poff	0.005	kW	Back-up heating capacity(*)	elbu	0	kW
Thermosat-off mode	Рто	0.005	kW	Type of energy input		•	
Crankcase heater mode	Рск	0.005	kW	Standby mode	PsB	0.005	kW
			Othe	er items	•	•	•
Capacity control		variable		For air-to-air heat pump: ai flow rate, outdoor measure		29000	m³/h
Sound power level,outdoor	Lwa	93	dB				
GWP of the refrigerant		2088	kg CO _{2 eq} (100years)				
Contact details				<u> </u>			

Contact details

(*)

(**)If Cdh is not determined by measurement, then the default degradation coefficient of heat pumps shall be 0.25.

Cooling mode:

Info	ormatic	n requ	irement	s i	for air-to-air cond	itione	rs	
Model(s): MV8i-785WV Test matching indoor u	١,	,	IH100Q4N18	(Q)				
Outdoor side heat exch	anger of air	conditioner	air					
Indoor side heat exchai	nger of air c	onditioner: a	nir					
Type: compressor drive	en							
Driver of compressor: e	electric moto	or						
Item	Symbol	Value	Unit		Item	Symbol	Value	Unit
Rated cooling capacity	Prated,c	78.50	kW		Seasonal space cooling energy efficiency	ηs,c	253.0	%
Declared cooling cap temperatures T _j an					Declared energy efficiency ra /auxiliary energy factor fo temper			
Tj=+35°C	Pdc	78.50	kW		Tj=+35°C	EERd	2.45	
Tj=+30°C	Pdc	57.84	kW		Tj=+30°C	EERd	4.15	
Tj=+25°C	Pdc	37.18	kW		Tj=+25°C	EERd	7.50	
T _j =+20°C	Pdc	16.53	kW		T _j =+20°C	EERd	14.71	
Degradation co-efficient for air conditioners(*)	Cdc	0.25						
		Power consu	umption in mo	des	s other than "active mode"			
Off mode	Poff	0.005	kW		Crankcase heater mode	Рск	0.005	kW
Thermosat-off mode	Рто	0.005	kW		Standby mode	PsB	0.005	kW
			Othe	er it	ems			
Capacity control		variable			For air-to-air air conditioner: air flow rate, outdoor measured		28000	m³/h
Sound power level, outdoor	Lwa	93	dB					
GWP of the refrigerant		2088	kg CO _{2 eq} (100years)					
Contact details								

Contact details

(*)If Cdc is not determined by measurement, then the default degradation coefficient of heat pumps shall be 0.25.

Heating mode:

Information requirements for heat pumps

Model(s): MV8i-785WV2RN1E(MA)

Test matching indoor units form, cassette: 8×MIH100Q4N18(Q)

Outdoor side heat exchanger of air conditioner: air

Indoor side heat exchanger of air conditioner: air

If the heater is equipped with a supplementary heater: no

Driver of compressor: electric motor

Parameters shall be declared for the average heating season, parameters for the warmer and colder heating seasons are optional.

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Item	Symbol	Value	Unit	Item	Symbol	Value	Unit	
Rated heating capacity	Prated,h	78.50	kW	Seasonal space heating energy efficiency	ηs,h	169.8	%	
Declared heating teperature 20°C				Declared coefficient of performance or gas utilisation efficiency/auxiliary energy factor for part load at given outdoor temperatures T _j				
Tj=-7°C	Pdh	38.04	kW	Tj=-7°C	COPd	2.16		
Tj=+2°C	Pdh	23.15	kW	Tj=+2°C	COPd	4.10		
Tj=+7°C	Pdh	14.88	kW	Tj=+7°C	COPd	6.93		
Tj=+12°C	Pdh	7.43	kW	Tj=+12°C	COPd	8.83		
T _{biv} =bivalent temperature	Pdh	43.00	kW	T _{biv} =bivalent temperature	COPd	1.75		
ToL=operation temperature	Pdh	43.00	kW	ToL =operation temperature	COPd	1.75		
Bivalent temperature	Tbiv	-10	°C					
Degradation co-efficient for heat pumps(**)	Cdh	0.25						
Power consumption in	modes othe	r than "activ	e mode"	Supplementary heater				
Off mode	Poff	0.005	kW	Back-up heating capacity(*)	elbu	0	kW	
Thermosat-off mode	Рто	0.005	kW	Type of energy input			•	
Crankcase heater mode	Рск	0.005	kW	Standby mode	PsB	0.005	kW	
			Othe	er items	•		•	
Capacity control	variable			For air-to-air heat pump: air flow rate, outdoor measured	I	28000	m³/h	
Sound power level,outdoor	Lwa	93	dB					
GWP of the refrigerant		2088	kg CO _{2 eq} (100years)					
Contact details								

^(**)If Cdn is not determined by measurement, then the default degradation coefficient of heat pumps shall be 0.25.

Cooling mode:

Info	ormatic	n requ	irements	s f	or air-to-air cond	itione	rs		
Model(s): MV8i-850WV Test matching indoor ur	2RN1E(MA	.) assette: 6×M	IH100Q4N18((Q)+	-2×MIH140Q4N18(Q)				
Outdoor side heat exch	anger of air	conditioner	air						
Indoor side heat exchai	nger of air c	onditioner: a	air						
Type: compressor drive	n								
Driver of compressor: e	lectric moto	or							
Item	Symbol	Value	Unit		Item	Symbol	Value	Unit	
Rated cooling capacity	Prated,c	85.00	kW		Seasonal space cooling energy efficiency	ηs,c	247.0	%	
Declared cooling capacity for part load at given outdoor temperatures T _j and indoor 27/19°C (dry/wet bulb)					Declared energy efficiency ratio or gas utilisation efficiency /auxiliary energy factor for part load at given outdoor temperatures Tj				
Tj=+35°C	Pdc	85.00	kW		Tj=+35°C	EERd	2.30		
Tj=+30°C	Pdc	62.63	kW		Tj=+30°C	EERd	4.09		
Tj=+25°C	Pdc	40.26	kW		Tj=+25°C	EERd	7.41		
T _j =+20°C	Pdc	17.89	kW		Tj=+20°C	EERd	14.23		
Degradation co-efficient for air conditioners(*)	Cdc	0.25							
		Power consu	umption in mo	des	other than "active mode"				
Off mode	Poff	0.005	kW		Crankcase heater mode	Рск	0.005	kW	
Thermosat-off mode	Рто	0.005	kW		Standby mode	PsB	0.005	kW	
			Othe	er ite	ems				
Capacity control	variable				For air-to-air air conditioner: air flow rate, outdoor measured		28000	m³/h	
Sound power level, outdoor	Lwa	93	dB						
GWP of the refrigerant		2088	kg CO _{2 eq} (100years)						

Contact details

 $({}^\star) \text{If } C_{\text{dc}} \text{ is not determined by measurement, then the default degradation coefficient of heat pumps shall be 0.25}.$

Heating mode:

Information requirements for heat pumps

Model(s): MV8i-850WV2RN1E(MA)

Test matching indoor units form, cassette: 6×MIH100Q4N18(Q)+2×MIH140Q4N18(Q)

Outdoor side heat exchanger of air conditioner: air

Indoor side heat exchanger of air conditioner: air

If the heater is equipped with a supplementary heater: no

Driver of compressor: electric motor

Parameters shall be declared for the average heating season, parameters for the warmer and colder heating seasons are

орионаі.									
Item	Symbol	Value	Unit	Item	Symbol	Value	Unit		
Rated heating capacity	Prated,h	85.00	kW	Seasonal space heating energy efficiency	Ŋs,h	167.0	%		
Declared heating teperature 20°C				efficiency/auxiliary energy	Declared coefficient of performance or gas utilisation efficiency/auxiliary energy factor for part load at given outdoor temperatures T _j				
Tj=-7°C	Pdh	39.81	kW	Tj=-7°C	COPd	2.10			
Tj=+2°C	Pdh	24.23	kW	Tj=+2°C	COPd	3.99			
Tj=+7°C	Pdh	15.58	kW	Tj=+7°C	COPd	6.99			
Tj=+12°C	Pdh	7.37	kW	Tj=+12°C	COPd	8.91			
T _{biv} =bivalent temperature	Pdh	45.00	kW	T _{biv} =bivalent temperature	COPd	1.69			
ToL=operation temperature	Pdh	45.00	kW	ToL =operation temperature	COPd	1.69			
Bivalent temperature	Tbiv	-10	°C						
Degradation co-efficient for heat pumps(**)	Cdh	0.25							
Power consumption in I	modes othe	r than "activ	e mode"	Supplementary heater					
Off mode	Poff	0.005	kW	Back-up heating capacity(*)	elbu	0	kW		
Thermosat-off mode	Рто	0.005	kW	Type of energy input		•	•		
Crankcase heater mode	Рск	0.005	kW	Standby mode	PsB	0.005	kW		
			Othe	er items			•		
Capacity control		variable		For air-to-air heat pump: air flow rate, outdoor measured		28000	m³/h		
Sound power level,outdoor	Lwa	93	dB						
GWP of the refrigerant		2088	kg CO _{2 eq} (100years)						
Contact details									

(*)

^(**)If Cdh is not determined by measurement, then the default degradation coefficient of heat pumps shall be 0.25.

Cooling mode:

Info	ormatic	n requ	irements	s 1	for air-to-air cond	itione	rs		
Model(s): MV8i-900WV				(O)	. 0. 1444.400 (1440.40)				
Test matching indoor ur				(Q)-	+3×MIH140Q4N18(Q)				
Outdoor side heat exch	anger of air	conditioner	air						
Indoor side heat exchai	nger of air c	onditioner: a	nir						
Type: compressor drive	en								
Driver of compressor: e	lectric moto	or							
Item	Symbol	Value	Unit		Item	Symbol	Value	Unit	
Rated cooling capacity	Prated,c	90.00	kW		Seasonal space cooling energy efficiency	ηs,c	241.4	%	
Declared cooling capacity for part load at given outdoor temperatures T _j and indoor 27/19°C (dry/wet bulb)					Declared energy efficiency ratio or gas utilisation efficiency /auxiliary energy factor for part load at given outdoor temperatures Tj				
Tj=+35°C	Pdc	90.00	kW		Tj=+35°C	EERd	2.15		
Tj=+30°C	Pdc	66.32	kW		Tj=+30°C	EERd	4.08		
Tj=+25°C	Pdc	42.63	kW		Tj=+25°C	EERd	7.16		
T _j =+20°C	Pdc	18.95	kW		T _j =+20°C	EERd	14.40		
Degradation co-efficient for air conditioners(*)	Cdc	0.25							
		Power consu	umption in mo	des	other than "active mode"				
Off mode	Poff	0.005	kW		Crankcase heater mode	Рск	0.005	kW	
Thermosat-off mode	Рто	0.005	kW		Standby mode	PsB	0.005	kW	
			Othe	er ite	ems			•	
Capacity control		variable			For air-to-air air conditioner: air flow rate, outdoor measured	-	28000	m³/h	
Sound power level, outdoor	Lwa	93	dB						
GWP of the refrigerant		2088	kg CO _{2 eq} (100years)						

Contact details

(*)If Cdc is not determined by measurement, then the default degradation coefficient of heat pumps shall be 0.25.

Heating mode:

Information requirements for heat pumps Model(s): MV8i-900WV2RN1E(MA) Test matching indoor units form, cassette: 5×MIH100Q4N18(Q)+3×MIH140Q4N18(Q) Outdoor side heat exchanger of air conditioner: air Indoor side heat exchanger of air conditioner: air If the heater is equipped with a supplementary heater: no Driver of compressor: electric motor Parameters shall be declared for the average heating season, parameters for the warmer and colder heating seasons are optional. Value Unit Symbol Value Item Symbol Item Unit Seasonal space heating 90.00 kW 167.0 % Rated heating capacity Prated,h $\eta_{\text{s,h}}$ energy efficiency Declared coefficient of performance or gas utilisation Declared heating capacity for part load at indoor efficiency/auxiliary energy factor for part load at given teperature 20°C and outdoor temperatures Tj outdoor temperatures Ti T_i=-7°C Pdh39.81 kW Tj=-7°C COPd 2.09 T_i=+2°C COPd Tj=+2°C Pdh 24.23 kW 3.96 Tj=+7°C Tj=+7°C 15.58 kW COPd Pdh7.11 Tj=+12°C Pdh 7.44 kW Tj=+12°C COPd 9.06 Tbiv=bivalent Pdh45.00 kW Tbiv =bivalent temperature COPd 1.66 temperature Tot=operation Pdh45.00 kW Tol =operation temperature COPd 1 66 temperature °C Bivalent temperature Tbiv -10 Degradation co-efficient for 0.25 Cdh heat pumps(**) Power consumption in modes other than "active mode" Supplementary heater Back-up heating capacity(*) kW 0.005 Off mode Poff kW elbu 0 Type of energy input Thermosat-off mode Рто 0.005 kW Standby mode Crankcase heater mode kW 0.005 kW 0.005 PsB Рск Other items For air-to-air heat pump: air Capacity control variable 28000 m³/h flow rate, outdoor measured Sound power Lwa 93 dΒ level,outdoor kg CO2 eq GWP of the refrigerant 2088 (100years) Contact details

^(**)If Cdh is not determined by measurement, then the default degradation coefficient of heat pumps shall be 0.25.

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- 2. 2024. 02. 23 MV8I勘误, 改为MV8i; 封面提示语更改 版本C→D 郑小峰

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